

Set	Items	Description
S1	28	AU='BERSON T':AU='BERSON THOMAS A'
S2	41	AU='DEAN R' OR AU='DEAN R D' OR AU='DEAN R DREWS'
S3	32	AU='FRANKLIN M' OR AU='FRANKLIN M K' OR AU='FRANKLIN MATTHEW' OR AU='FRANKLIN MATTHEW K' OR AU='FRANKLIN MATTHEW KEITH'
S4	6	AU='LUNT T F' OR AU='LUNT TERESA F'
S5	7	AU='SMETTERS D' OR AU='SMETTERS D K' OR AU='SMETTERS DIANA K'
S6	92	S1 OR S2 OR S3 OR S4 OR S5
S7	47	S6 AND IC=(G06F? OR H04L?)
File 347:JAPIO Oct 1976-2003/Aug (Updated 031202)		
(c) 2003 JPO & JAPIO		
File 348:EUROPEAN PATENTS 1978-2003/Dec W02		
(c) 2003 European Patent Office		
File 349:PCT FULLTEXT 1979-2002/UB=20031218,UT=20031211		
(c) 2003 WIPO/Univentio		
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200381		
(c) 2003 Thomson Derwent		
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T S7/5/ALL

7/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07322460 \*\*Image available\*\*  
PRINTING METHOD FOR PREVENTING DOCUMENT FORGERY

PUB. NO.: 2002-190947 [JP 2002190947 A]  
PUBLISHED: July 05, 2002 (20020705)  
INVENTOR(s): LUNT TERESA F  
FRANKLIN MATTHEW K  
HECHT DAVID L  
BERSON THOMAS A  
STEFIK MARK J  
DEAN R DREWS  
BELL ALAN G  
BREUEL THOMAS M  
CASS TODD A  
CURRY DOUGLAS N  
GREENE DANIEL H  
KRIVACIC ROBERT T  
APPLICANT(s): XEROX CORP  
APPL. NO.: 2001-290056 [JP 20011290056]  
FILED: September 21, 2001 (20010921)  
PRIORITY: 00 722362 [US 2000722362], US (United States of America),  
November 28, 2000 (20001128)  
00 722508 [US 2000722508], US (United States of America),  
November 28, 2000 (20001128)  
INTL CLASS: H04N-001/387; B41J-005/30; B41J-029/00; B41J-029/38;  
G06F-003/12; G06T-001/00; H04N-001/40

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a printing method for appropriately preventing document forgery in accordance with a printed document.

SOLUTION: A protection level which is to be applied to the document is decided from a plurality of protection levels by considering the value of the printed document, the latent possibility of forgery with respect to the document and cost for forgery prevention. A printer printing a watermark corresponding to the decided protection level is selected. The respective pages of the document are printed by using the printer. A mechanism for generating the evidence of copy and tracking information are incorporated in the watermark in accordance with the protection level.

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7/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07208706 \*\*Image available\*\*  
ENCRYPTING SYSTEM AND METHOD THEREFOR BASED ON TRANSITION STATE

PUB. NO.: 2002-077138 [JP 2002077138 A]  
PUBLISHED: March 15, 2002 (20020315)  
INVENTOR(s): BERSON THOMAS A

DEAN R DREWS  
FRANKLIN MATTHEW K  
LUNT TERESA F  
SMETTERS DIANA K

APPLICANT(s): XEROX CORP  
APPL. NO.: 2001-170639 [JP 20011170639]  
FILED: June 06, 2001 (20010606)  
PRIORITY: 00 596834 [US 2000596834], US (United States of America),  
June 19, 2000 (20000619)  
INTL CLASS: H04L-009/16; G06F-012/00; G06F-012/14

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide an encrypting system and method therefor based on a step in application containing at least one state having a relational key.

SOLUTION: When the application reaches a state, access requirement is transmitted to a server by using a network. The requirement contains a state key relating to this state. A reply mail responding to the requirement is received from the server. The reply mail contains an access key for providing access when the state key is valid.

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7/5/3 (Item 3 from file: 347)  
DIALOG(R) File 347:JAPIO  
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06939505 \*\*Image available\*\*  
METHOD FOR PROVIDING SAFE ACCESS TO ONLINE CONTENTS REFERRED TO IN HARD COPY DOCUMENT

PUB. NO.: 2001-167052 [JP 2001167052 A]  
PUBLISHED: June 22, 2001 (20010622)  
INVENTOR(s): GREENE DANIEL H  
DEAN R DREWS  
BERSON THOMAS A  
APPLICANT(s): XEROX CORP  
APPL. NO.: 2000-323407 [JP 2000323407]  
FILED: October 24, 2000 (20001024)  
PRIORITY: 99 429539 [US 99429539], US (United States of America),  
October 28, 1999 (19991028)  
INTL CLASS: G06F-015/00; G06F-003/12

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide safe access to online contents referred to in a hard copy document.

SOLUTION: The first request of access to the online contents referred to in the hard copy document is received, a challenge to the first request to the online contents is issued, a first password extracted from a password mechanism in the hard copy document in response to this issued challenge is received. Further, a state change for the password mechanism of the hard copy document is provided for identifying a second password to be used during the second request of access to the online contents referred to in the hard copy document. Thus, safe access to the online contents referred to in the hard copy document is provided.

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7/5/4 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01649276

Ad hoc secure access to documents and services  
Ad hoc Sicherheitszugriff auf Dokumente und Dienste  
Acces securise ad hoc a des documents et des services

PATENT ASSIGNEE:

Xerox Corporation, (219004), Patent Department, Xerox Square - 20 A, 100 Clinton Avenue South, Rochester, New York 14644, (US), (Applicant designated States: all)

INVENTOR:

Stringer, Mark, 5 Shenstone House, Staffordshire St., Cambridge CB1 1BP,

(GB)

Soutloglou, Elisabeth, 142 Aynsley Gardens, Church Langley, Harlow CM17 9PE, (GB)

Smitters, Diana K., 952 Laguna Avenue, Burlingame, CA 94010, (US)

LEGAL REPRESENTATIVE:

Skone James, Robert Edmund (50281), GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 1357458 A2 031029 (Basic)

APPLICATION (CC, No, Date): EP 2003252327 030411;

PRIORITY (CC, No, Date): US 63361 020416

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1357458 A2

A document server (102) residing on a network behind a firewall (112) provides secure access to documents or services residing thereon. A first user (A) outside the firewall communicates with the document server (102) over an established first secure session to generate a token in a database (124) of tokens on the document server. The first user (A) digitally signs the public key of a second user (B) and an identifier of the token. The first user transmits a URL token to the second user that identifies the location of the document (102) server and the token identifier. When the second user outside the firewall (112) redeems the URL token at the document server, the document server and the second user establish a second secure session. The document server (102) authenticates the URL token against the second secure session before providing the second user with access to the document or service.

ABSTRACT WORD COUNT: 152

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 031029 A2 Published application without search report

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200344	992
SPEC A	(English)	200344	5845
Total word count - document A			6837
Total word count - document B			0
Total word count - documents A + B			6837

7/5/5 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01619514

**Method for securing communication over a network medium**  
**Verfahren zur Sicherung von Kommunikation über ein Netzwerk**  
**Procédé pour la sécurisation de la communication sur un réseau**  
PATENT ASSIGNEE:

Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South  
, Rochester, New York 14644, (US), (Applicant designated States: all)

INVENTOR:

Balfanz, Dirk, 600 Sharon Park Drive, Apt. D-103, Menlo Park, CA 94025,  
(US)

Lopes, Cristina V., 27 Twain Street, Irvine, CA 92612, (US)

Smetters, Diana K., 952 Laguna Avenue, Burlingame, CA 94010, (US)

Stewart, Paul Joseph, 864 Louise Drive, Sunnyvale, California 94087, (US)

Wong, Hao-Chi, 368 Cedar Street, San Carlos, CA 94070, (US)

LEGAL REPRESENTATIVE:

Skone James, Robert Edmund (50281), GILL JENNINGS & EVERY Broadgate House  
7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 1335563 A2 030813 (Basic)

EP 1335563 A3 031015

APPLICATION (CC, No, Date): EP 2003250701 030204;

PRIORITY (CC, No, Date): US 66699 020206

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO

INTERNATIONAL PATENT CLASS: H04L-029/06; H04L-012/22

**ABSTRACT EP 1335563 A2**

Pre-authentication information of devices (310,320) is used to securely authenticate arbitrary peer-to-peer ad-hoc interactions. In one embodiment, public key cryptography is used in the main wireless link (340) with location-limited channels (330) being initially used to pre-authenticate devices.

ABSTRACT WORD COUNT: 39

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030813 A2 Published application without search report

Change: 030827 A2 Inventor information changed: 20030708

Search Report: 031015 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200333	572
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SPEC A	(English)	200333	5979
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Total word count - document A			6551
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Total word count - document B			0
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Total word count - documents A + B			6551
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7/5/6 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01571620

**SYSTEMS AND METHODS FOR IDENTITY-BASED ENCRYPTION AND RELATED CRYPTOGRAPHIC TECHNIQUES****SYSTEMES ET PROCEDES DE CRYPTAGE SUR LA BASE DES IDENTITES, ET PROCEDURES CRYPTOGRAPHIQUES ASSOCIEES****PATENT ASSIGNEE:**

THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, (242254),  
900 Welch Road, Suite 350, Stanford, CA 94304, (US), (Applicant  
designated States: all)

**INVENTOR:**

BONEH, Dan, Gates 475, Stanford, CA 94305-9045, (US)  
FRANKLIN, Matthew, 3021 Engineering II, Davis, CA 95616, (US)

**PATENT (CC, No, Kind, Date):**

WO 2003017559 030227

APPLICATION (CC, No, Date): EP 2002794941 020813; WO 2002US27155 020813

PRIORITY (CC, No, Date): US 311946 P 010813

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LU; MC; NL; PT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-001/00

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Application: 030423 A2 International application. (Art. 158(1))

Application: 030423 A2 International application entering European  
phase

LANGUAGE (Publication, Procedural, Application): English; English; English

7/5/7 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01481810

**SECURE AUTHENTICATION OF USERS VIA INTERMEDIATE PARTIES****AUTHENTIFICATION SECURISEE D'UTILISATEURS VIA DES PARTIES INTERMEDIAIRES****PATENT ASSIGNEE:**

fusionOne, Inc., (3239430), 55 Almaden Boulevard - Suite 800, San Jose,  
California 95113, (US), (Applicant designated States: all)

**INVENTOR:**

BERSON, Thomas, A., 764 Forest Avenue, Palo Alto, CA 94301, (US)

RUDY, Stephen, M., 1631 Cowper Street, Palo Alto, CA 94301, (US)

**PATENT (CC, No, Kind, Date):**

WO 2002037749 020510

APPLICATION (CC, No, Date): EP 2001993084 011102; WO 2001US46094 011102

PRIORITY (CC, No, Date): US 245949 P 001103

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-009/32

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Application: 021030 A1 International application. (Art. 158(1))

Application: 021030 A1 International application entering European  
phase

Application: 031217 A1 International application. (Art. 158(1))

Appl Changed: 031217 A1 International application not entering European  
phase

Withdrawal: 031217 A1 Date application deemed withdrawn: 20030604

LANGUAGE (Publication, Procedural, Application): English; English; English

7/5/8 (Item 5 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01371867

System, method and article of manufacture for transition state-based cryptography

System, Verfahren und Produkt zur uebergangszustandsbasierten Geheimschrift

Systeme, procede et produit pour la cryptographie basee sur l'etat de transition

PATENT ASSIGNEE:

Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South, Rochester, New York 14644, (US), (Applicant designated States: all)

INVENTOR:

Berson, Thomas A., 764 Forest Avenue, Palo Alto, CA 94301, (US)

Dean, R. Drews, 21070 White Fir Court, Cupertino, CA 95014, (US)

Franklin, Matthew K., 334 Grant Avenue, Palo Alto, CA 94306, (US)

Lunt, Teresa F., 892 Bruce Drive, Palo Alto, CA 94303, (US)

Smetters, Diana K., 952 Laguna Avenue, Burlingame, CA 94010, (US)

LEGAL REPRESENTATIVE:

Skone James, Robert Edmund (50281), GILL JENNINGS & EVERY Broadgate House 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 1168140 A2 020102 (Basic)

EP 1168140 A3 030226

APPLICATION (CC, No, Date): EP 2001305072 010611;

PRIORITY (CC, No, Date): US 596834 000619

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1168140 A2

A system, method and article of manufacture are provided for transition state-based cryptography in an application including at least one state having a state key associated with it. A request for access (308) is sent to a server utilizing a network upon reaching a state in the application. The request includes a state key associated with the state. A reply (312) is received from the server in response to the request. The reply includes an access key for providing the access if the state key is valid. According to another embodiment of the present invention, a method is provided for transition state-based cryptography in an application including at least one state having a state key associated with it. A request for access is received from a client to a server utilizing a network. The state key is verified at the server. A reply is sent from the server in response to the request. The reply includes an access key for providing the access if the state key is verified. In one aspect of the present invention, the request for access is for a subsequent state in the application.

ABSTRACT WORD COUNT: 189

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020102 A2 Published application without search report

Search Report: 030226 A3 Separate publication of the search report

Examination: 031029 A2 Date of request for examination: 20030826

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200201	332
SPEC A	(English)	200201	3622
Total word count - document A		3954	
Total word count - document B		0	

Total word count - documents A + B 3954

7/5/9 (Item 6 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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01285625

SENSOR WITH DIGITAL SIGNATURE OF DATA RELATING TO SENSOR  
SENSOR MIT DIGITALER SIGNATUR VON SENSORBEZOGENEN DATEN  
DETECTEUR A SIGNATURE NUMERIQUE DE DONNEES RELATIVES AU DETECTEUR  
PATENT ASSIGNEE:

MALLINCKRODT INC., (1382204), 675 McDonnell Blvd, Hazelwood, MO 63042,  
(US), (Applicant designated States: all)

INVENTOR:

BERSON, Thomas, A., 764 Forest Avenue, Palo Alto, CA 94301, (US)  
OLSON, Bryan, 400 E. Remington Drive F-155, Sunnyvale, CA 94087, (US)  
FEIN, Michael, E., deceased, (US)  
MANNHEIMER, Paul, D., 4119 Sugar Maple Drive, Danville, CA 94506, (US)  
PORGES, Charles, E., 61 Mira Loma, Orinda, CA 94563, (US)  
SCHLOEMER, David, 16301 Dearborn Drive, Stilwell, KS 66085, (US)  
FEIN, Marcia, 1613 Hollingsworth Drive, Mountain View, CA 94040, (US)

LEGAL REPRESENTATIVE:

Rees, Alexander Ellison et al (73903), Urquhart-Dykes & Lord, 30 Welbeck  
Street, London W1G 8ER, (GB)

PATENT (CC, No, Kind, Date): EP 1215995 A1 020626 (Basic)  
WO 200122873 010405

APPLICATION (CC, No, Date): EP 2000968534 000928; WO 2000US27017 000928

PRIORITY (CC, No, Date): US 156488 P 990928; US 662246 P 000914

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61B-005/00; G06F-001/00

CITED PATENTS (WO A): XP 2161210

CITED REFERENCES (WO A):

EP 949506 A

US 4942877 A

US 4700708 A

MENEZES, VAN OORSCHOT, VANSTONE: "HANDBOOK OF APPLIED CRYPTOGRAPHY" BOCA  
RATON, FL, CRC PRESS, US, 1997, XP002161210 ISBN: 0-8493-8523-7;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010530 A1 International application. (Art. 158(1))

Application: 010530 A1 International application entering European  
phase

Application: 020626 A1 Published application with search report

Examination: 020626 A1 Date of request for examination: 20020409

Change: 020724 A1 Inventor information changed: 20020607

LANGUAGE (Publication, Procedural, Application): English; English; English

7/5/10 (Item 7 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS  
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01272837

System for authenticating online content referenced in hardcopy documents  
System zur Beglaubigung des Online-Inhalts der in einem bedruckten Dokument  
referenziert ist

**Système d'authentification d'un contenu en ligne référence dans un document imprimé**

PATENT ASSIGNEE:

Xerox Corporation, (219788), Xerox Square - 20A, 100 Clinton Avenue South  
, Rochester, New York 14644, (US), (Applicant designated States: all)

INVENTOR:

Greene, Daniel H., 1055 Manet Drive 6, Sunnyvale, California 94087, (US)  
Dean, R. Drews, 21070 White Fir Court, Cupertino, California 95014, (US)  
Berson, Thomas A., 764 Forest Avenue, Palo Alto, California 94301, (US)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)  
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1096358 A1 010502 (Basic)

APPLICATION (CC, No, Date): EP 123263 001026;

PRIORITY (CC, No, Date): US 429539 991028

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 1096358 A1

A system for controlling access to online content referenced in a hardcopy document. A user requesting access to online content available on a server responds to an authentication challenge from the server using a password mechanism printed in the hardcopy document. The password mechanism allows the user to identify a password for responding to an authentication request by the server. After authenticating the user, the server initiates a state change to enable subsequent access to the online content by the user with a different password that is also identified with the password mechanism.

ABSTRACT WORD COUNT: 94

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010502 A1 Published application with search report

Examination: 010801 A1 Date of request for examination: 20010522

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200118	517
SPEC A	(English)	200118	6725
Total word count - document A			7242
Total word count - document B			0
Total word count - documents A + B			7242

7/5/11 (Item 8 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01210673

Method for enabling privacy and trust in electronic communities  
Verfahren zum Ermöglichen von Geheimhaltung und Vertrauen in elektronischen  
Gemeinschaften

Methode pour parvenir à l'intimité et à la confiance dans des communautés  
électroniques

PATENT ASSIGNEE:

Xerox Corporation, (219787), Xerox Square - 20A, 100 Clinton Avenue South  
, Rochester, New York 14644, (US), (Applicant designated States: all)

INVENTOR:

Huberman, Bernardo A., 483 Forest Avenue, Apt.C, Palo Alto CA94301, (US)  
 Franklin, Matthew K., 334 Grant Avenue, Palo Alto CA94306, (US)  
 Hogg, Tad H., 541 Del Medio, Mountain View CA94040, (US)

## LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1052582 A2 001115 (Basic)  
 EP 1052582 A3 030716

APPLICATION (CC, No, Date): EP 2000110372 000515;

PRIORITY (CC, No, Date): US 134179 P 990513; US 568794 000509

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
 LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

## ABSTRACT EP 1052582 A2

A method for enabling privacy and trust in electronic communities is disclosed. A major impediment to using recommendation systems and collective knowledge for electronic commerce is the reluctance of individuals to reveal preferences in order to find groups of people that share them. An equally important barrier to fluid electronic commerce is the lack of agreed upon trusted third parties. We propose new non-third party mechanisms to overcome these barriers. Our solutions facilitate finding shared preferences, discovering communities with shred values, removing disincentives posed by liabilities, and negotiating on behalf of a group. We adapt known techniques from the cryptographic literature to enable these new capabilities.

ABSTRACT WORD COUNT: 107

## NOTE:

Figure number on first page: 1

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 001115 A2 Published application without search report  
 Priority: 001220 A2 Priority information changed: 20001101

Search Report: 030716 A3 Separate publication of the search report

LANGUAGE (Publication, Procedural, Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200046	502
SPEC A	(English)	200046	6508
Total word count - document A			7010
Total word count - document B			0
Total word count - documents A + B			7010

7/5/12 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00969645

METHOD AND APPARATUS FOR SIMULTANEOUS ELECTRONIC EXCHANGE USING A SEMI-TRUSTED THIRD PARTY

VERFAHREN UND EINRICHTUNG ZUM GLEICHZEITIGEN ELEKTRONISCHEN AUSTAUSCH UNTER VERWENDUNG EINES HALBGLAUBWURDIGEN DRITTEN TEILNEHMERS

PROCEDE ET DISPOSITIF CORRESPONDANT POUR ECHANGE ELECTRONIQUE SIMULTANE FAISANT INTERVENIR UNE TIERCE PERSONNE DE NIVEAU DE CONFIANCE MITIGE

PATENT ASSIGNEE:

AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412,  
 (US), (Applicant designated States: all)

INVENTOR:

FRANKLIN, Matthew, Keith, Apartment 20D, 1 University Place, New York,  
NY 10003, (US)

REITER, Michael, Kendrick, 4 Bluebird Way, Raritan, NJ 08869, (US)  
PATENT (CC, No, Kind, Date):

WO 9827688 980625

APPLICATION (CC, No, Date): WO 97953257 971211; WO 97US23220 971211  
PRIORITY (CC, No, Date): US 768380 961217

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: H04L-009/32; G07F-019/00

CITED PATENTS (WO A): JP 9325694 A

CITED REFERENCES (WO A):

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symmetrically-biased coin" 24TH ANNUAL SYMPOSIUM ON FOUNDATIONS OF  
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LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 20000412 A2 International application. (Art. 158(1))

Application: 981125 A2 International application (Art. 158(1))

Withdrawal: 20000412 A2 Date application deemed withdrawn: 19990719

Appl Changed: 20000412 A2 International application not entering  
European phase

LANGUAGE (Publication, Procedural, Application): English; English; English

7/5/13 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00993956 \*\*Image available\*\*

SYSTEM AND METHOD FOR SECURING A COMMUNICATION CHANNEL

SYSTEME ET PROCEDE PERMETTANT DE SECURISER UN CANAL DE COMMUNICATION

Patent Applicant/Assignee:

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Inventor(s):

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GONG Guang, 412 Woodrow Drive, Waterloo, Ontario N2T 2V7, CA,  
FARMER James O, 3602 Preston Court, Lilburn, GA 30047, US,

Legal Representative:

WIGMORE Steven P (agent), King & Spalding, 191 Peachtree Street, Atlanta,  
GA 30303-1763, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200323980 A2-A3 20030320 (WO 0323980)

Application: WO 2002US28734 20020910 (PCT/WO US0228734)

Priority Application: US 2001318447 20010910; US 2002388497 20020614

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GO GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: H04L-009/00  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
    Detailed Description  
    Claims  
Fulltext Word Count: 19010

#### English Abstract

A system and method establishes a secure communication channel over an optical network (140). More specifically, the system and method can generally include securing a communications (140) channel to prevent unauthorized access such as eavesdropping or masquerading by employing 1) an encryption scheme derived from the non-linear filtering of shift registers, 2) a method for authenticating and exchanging parameters between two parties over an unsecured data channel for deriving a shared encryption key having a property of perfect forward secrecy, and 3) employing a unique format of the messages that can transport non-secret key exchange parameters (1135, 1140) over an unsecured data channel and secure communications over a data channel.

#### French Abstract

L'invention concerne un systeme et un procede permettant d'etablir un canal de communication securise sur un reseau optique (140). Lesdits systeme et procede consistent, de maniere generale, a securiser un canal de communication (140) afin d'empecher un acces non autorise, tel qu'une interception illicite ou une usurpation d'identite, par utilisation 1) d'un mecanisme de cryptage derive du filtre non lineaire de registres de decalage, 2) d'un procede d'authentification et d'echange de parametres entre deux parties sur un canal de donnees non securise pour deriver une cle de cryptage partagee possedant une proprietee de confidentialite parfaite sur l'aval, et 3) d'un format unique de messages pouvant transporter des parametres d'echange de cle non secrete (1135), (1140) sur un canal de donnees non securise et des communications securisees sur un canal de donnees.

#### Legal Status (Type, Date, Text)

Publication 20030320 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20031218 Late publication of international search report

Republication 20031218 A3 With international search report.

7/5/14 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00987636 \*\*Image available\*\*

SYSTEMS AND METHODS FOR IDENTITY-BASED ENCRYPTION AND RELATED CRYPTOGRAPHIC TECHNIQUES

SYSTEMES ET PROCEDES DE CRYPTAGE SUR LA BASE DES IDENTITES, ET PROCEDURES CRYPTOGRAPHIQUES ASSOCIEES

Patent Applicant/Assignee:

BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, 900 Welch Road, Suite 350, Palo Alto, CA 94304, US, US (Residence), US  
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Inventor(s):

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FRANKLIN Matthew, 3021 Engineering II, Davis, CA 95616, US,

**Legal Representative:**

ALBOSZTA Marek (agent), 45 Cabot Ave., Suite 110, Santa Clara, CA 95051,  
US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200317559 A2-A3 20030227 (WO 0317559)  
Application: WO 2002US27155 20020813 (PCT/WO US0227155)  
Priority Application: US 2001311946 20010813

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-009/00

Publication Language: English

Filing Language: English

**Fulltext Availability:**

Detailed Description  
Claims

Fulltext Word Count: 24265

**English Abstract**

A method and system for encrypting a first piece of information M to be sent by a sender (100) to a receiver (110) allows both sender and receiver to compute a secret message key using identity-based information and a bilinear map. In a one embodiment, the sender (100) computes an identity-based encryption key from an identifier ID associated with the receiver (110). The identifier ID may include various types of information such as the receiver's e-mail address, a receiver credential, a message identifier, or a date. The sender uses a bilinear map and the encryption key to compute a secret message key  $g^{\text{sup}}r \text{ "sub"}ID$ , which is then used to encrypt a message M, producing ciphertext V to be sent from the sender (100) to the receiver (110) together with an element rP. An identity-based decryption key  $d \text{ "sub"}ID$  is computed by a private key generator (120) based on the ID associated with the receiver and a secret master key s. After obtaining the private decryption key from the key generator (120), the receiver (110) uses it together with the element rP and the bilinear map to compute the secret message key  $g^{\text{sup}}r \text{ "sub"}ID$ , which is then used to decrypt V and recover the original message M. According to one embodiment, the bilinear map is based on a Weil pairing or a Tate pairing defined on a subgroup of an elliptic curve. Also described are several applications of the techniques, including key revocation, credential management, and return receipt notification.

**French Abstract**

La presente invention concerne un procede et un systeme de cryptage portant sur une premiere information (M) qu'un emetteur (100) envoie a un recepteur (110), et qui permet a l'emetteur comme au recepteur de calculer une cle de cryptage de message par utilisation d'une information a base d'identites et de correspondances bilineaires. Selon un mode de realisation, l'emetteur (100) utilise un identificateur associe au recepteur (110) pour calculer une cle de cryptage a base d'identite. Cet identificateur peut comporter divers types d'informations (adresse de courrier electronique du recepteur, certificat de recepteur, identificateur de message, date). L'emetteur utilise alors des correspondances bilineaires pour calculer une cle de cryptage de message ( $g^{\text{sup}}r \text{ "sub"}ID$ ), utilisee pour crypter un message (M), ce qui donne un texte crypte (V) pouvant etre envoye de l'emetteur (100) au recepteur

(110) accompagne d'un element (rP). Un generateur de cle privee (120) vient alors calculer une cle de decryptage a base d'identite (d"sub"ID) sur la base de l'identificateur associe au recepteur, et une cle de cryptage maitresse. Apres obtention de la cle privee du generateur de cles (120), le recepteur l'utilise accompagnee de l'element (rP) et des correspondances bilineaires pour calculer la cle de cryptage de message (g"sup"r "sub"ID). Cette derniere sert alors au decryptage du texte crypte (V) et pour recuperer le message original (M). Selon un mode de realisation, les correspondances bilineaires se font selon une logique d'associations de Weil ou de Tate definiennes sur la base d'un sous-groupe d'une courbe elliptique. L'invention concerne egalement plusieurs applications du procede, et notamment la revocation des cles, la gestion des certificats, la notification en retour des accuses de reception.

## Legal Status (Type, Date, Text)

Publication 20030227 A2 Without international search report and to be republished upon receipt of that report.  
 Examination 20030530 Request for preliminary examination prior to end of 19th month from priority date  
 Search Rpt 20030710 Late publication of international search report  
 Republication 20030710 A3 With international search report.

**7/5/15 (Item 3 from file: 349)**  
 DIALOG(R) File 349:PCT FULLTEXT

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00903605 \*\*Image available\*\*

**SECURE AUTHENTICATION OF USERS VIA INTERMEDIATE PARTIES**  
**AUTHENTIFICATION SECURISEE D'UTILISATEURS VIA DES PARTIES INTERMEDIAIRES**

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## Legal Representative:

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 685 Market Street, Suite 540, San Francisco, CA 94105-4206, US,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200237749 A1 20020510 (WO 0237749)  
 Application: WO 2001US46094 20011102 (PCT/WO US0146094)  
 Priority Application: US 2000245949 20001103

## Designated States: JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: H04L-009/32

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8414

## English Abstract

An intermediate system provides remote clients with access to a primary system, such as a server. The intermediate system creates and store a log-in record (100) for each client. The log-in record contains an encrypted primary system client identifier (PSCI). The PSCI contains authentication information for verifying a client's right to access the primary system. Storing an encrypted version of the PSCI enhances the

security of the authentication information on the intermediate system. In some implementations of the present invention, the PSCI itself is an encrypted value. When a client attempts to log into the primary system, the intermediate system initially verifies the client's intermediate system access rights (104). The intermediate system makes this determination using the log-in record and data provided by the client (102). Next, the intermediate system sends the PSCI to the client's primary system for further authentication (106). The primary system uses the PSCI to verify the client's right to access primary system data (108).

#### French Abstract

L'invention concerne un systeme intermediaire qui fournit a des clients eloignes un acces a un systeme primaire, tel qu'un serveur. Le systeme intermediaire cree et stocke un enregistrement d'ouverture de session (100) pour chaque client. Cet enregistrement d'ouverture de session contient un identificateur chiffre de client du systeme primaire (PSCI). Ce PSCI contient des informations d'authentification destinees a verifier le droit d'un client a acceder au systeme primaire. Le stockage d'une version chiffree du PSCI permet d'améliorer la securite des informations d'authentification sur le systeme intermediaire. Dans quelques mises en oeuvre de la presente invention, le PSCI est lui-même une valeur chiffree. Lorsqu'un client essaie d'ouvrir une session dans le systeme primaire, le systeme intermediaire verifie initialement les droits d'accès du client au systeme intermediaire (104). Le systeme intermediaire effectue cette determination au moyen de l'enregistrement d'ouverture de session et des donnees fournies par le client (102). Par la suite, le systeme intermediaire envoie le PSCI au systeme primaire du client pour une authentification supplementaire (106). Le systeme primaire utilise le PSCI pour verifier le droit du client a acceder aux donnees du systeme primaire (108).

#### Legal Status (Type, Date, Text)

Publication 20020510 A1 With international search report.

Publication 20020510 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

7/5/16 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00789714 \*\*Image available\*\*

**SENSOR WITH DIGITAL SIGNATURE OF DATA RELATING TO SENSOR  
DETECTEUR A SIGNATURE NUMERIQUE DE DONNEES RELATIVES AU DETECTEUR**

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(Residence), -- (Nationality), (Designated only for: US)

#### Inventor(s):

FEIN Michael E (deceased),

#### Patent Applicant/Inventor:

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PORGES Charles E, 61 Mira Loma, Orinda, CA 94563, US, US (Residence), US

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SCHLOEMER David, 16301 Dearborn Drive, Stilwell, KS 66085, US, US  
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Legal Representative:

HAUGHEY Paul C (et al) (agent), Townsend and Townsend and Crew LLP, 8th Floor, Two Embarcadero Center, San Francisco, CA 94111, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200122873 A1 20010405 (WO 0122873)

Application: WO 2000US27017 20000928 (PCT/WO US0027017)

Priority Application: US 99156488 19990928; US 2000662246 20000914

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61B-005/00

International Patent Class: G06F-001/00

Publication Language: English

Filing Language: English

English Abstract

A sensor has codes useful for a monitor which can be authenticated as accurate. The sensor produces a signal corresponding to a measured physiological characteristic and provides codes which can be assured of being accurate and authentic when used by a monitor. A memory associated with the sensor stores both data relating to the sensor and a digital signature. The digital signature authenticates the quality of the code by ensuring it was generated by an entity having predetermined quality controls, and ensures the code is accurate.

French Abstract

Un detecteur comprend des codes utiles a un moniteur, lesquels peuvent etre authentifies comme etant precis. Le detecteur produit un signal correspondant a une caracteristique physiologique mesuree et il fournit des codes pouvant etre assures d'etre precis et authentiques lorsqu'ils sont utilises par un moniteur. Une memoire associee au detecteur stocke a la fois les donnees relatives au detecteur ainsi qu'une signature numerique. La signature numerique authentifie la qualite du code en assurant qu'il a ete produit par une entite ayant des controles de qualite predetermines, et assure que le code est exact.

Legal Status (Type, Date, Text)

Publication 20010405 A1 With international search report.

Publication 20010405 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Correction 20010614 Corrections of entry in Section 1: under (30) replace "Not furnished" by "09/662,246"

Republication 20010614 A1 With international search report.

Correction 20010614 Corrections of entry in Section 1:

Examination 20010712 Request for preliminary examination prior to end of 19th month from priority date

Correction 20020926 Corrected version of Pamphlet: page 13, claims, replaced by a new page 13; after rectification of obvious errors as authorized by the International Searching Authority

Republication 20020926 A1 With international search report.

7/5/17 (Item 5 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00437224 \*\*Image available\*\*  
METHOD AND APPARATUS FOR SIMULTANEOUS ELECTRONIC EXCHANGE USING A  
SEMI-TRUSTED THIRD PARTY  
PROCEDE ET DISPOSITIF CORRESPONDANT POUR ECHANGE ELECTRONIQUE SIMULTANE  
FAISANT INTERVENIR UNE TIERCE PERSONNE DE NIVEAU DE CONFIANCE MITIGE

Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

FRANKLIN Matthew Keith,

REITER Michael Kendrick,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9827688 A2 19980625

Application: WO 97US23220 19971211 (PCT/WO US9723220)

Priority Application: US 96768380 19961217

Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT  
SE

Main International Patent Class: G07F-019/00

International Patent Class: H04L-09:32

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9294

#### English Abstract

A method and apparatus for fairly exchanging documents. A first document is shared between principal Y and third party Z. A second document is shared between principal X and third party Z. Z verifies that the sharing of the first and second documents has been performed correctly without Z understanding either document. If verified, Z sends its shares of the first and second documents to Y and X, respectively. X and Y verify that Z's shares are authentic.

#### French Abstract

L'invention a trait a un procede et au dispositif correspondant permettant d'effectuer dans les regles un echange de documents. Un premier document est partage entre Y, partie principale, et une tierce personne: Z. Un second document est partage entre X, partie principale, et la tierce personne: Z. Z verifie que le partage des deux documents a ete correctement effectue et ce, sans en avoir quelque intelligence. Le cas echeant, Z envoie ses propres parties du premier et du second document a Y et X, respectivement, qui en verifient l'authenticite.

7/5/18 (Item 6 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00436107 \*\*Image available\*\*  
METHOD AND APPARATUS FOR SECURE AND AUDITABLE METERING OVER A  
COMMUNICATIONS NETWORK  
PROCEDE ET APPAREIL DE TAXATION SURE ET VERIFIABLE POUR RESEAUX DE  
COMMUNICATIONS

Patent Applicant/Assignee:

AT & T CORP,

Inventor(s):

FRANKLIN Matthew Keith,

MALKHI Dahlia,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9826571 A2 19980618

Application: WO 97US22444 19971210 (PCT/WO US9722444)

Priority Application: US 96762024 19961211

Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT

SE

Main International Patent Class: G06F-011/34

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7454

#### English Abstract

A compact metering scheme meters visits to a web site. A proxy module intercepts traffic between a client and a server. The proxy module appends a metering module to the body of information sent from the server to the client. The metering module measures the duration of each visit using a timing function F and a unique seed generated for each visit. The metering module returns an auditable result when the client ends the visit. A log keeper module is used to store each result.

#### French Abstract

Cette invention se rapporte à un programme de taxation compact qui permet de comptabiliser les visites effectuées sur un site Web. A cet effet, un module mandataire intercepte le trafic entre un client et un serveur. Ce module mandataire annexe un module de taxation au bloc des informations envoyées par le serveur au client. Ce module de taxation calcule la durée de chaque visite en utilisant une fonction de chronométrage F et une graine unique générée pour chaque visite. Le module de taxation renvoie un résultat vérifiable lorsque le client met un terme à sa visite. Un module de sauvegarde de relevé est utilisé pour consigner chaque résultat.

7/5/19 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015769837 \*\*Image available\*\*

WPI Acc No: 2003-832039/200377

XRPX Acc No: N03-664994

Network access provision method involves authenticating non-registered user to selected contents using public key and digital signature signed using registered user's private key expressed as signed cryptographic digest

Patent Assignee: XEROX CORP (XERO )

Inventor: SMETTERS D K; SOUTLOGLOU E; STRINGER M

Number of Countries: 032 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030196087	A1	20031016	US 200263361	A	20020416	200377 B
EP 1357458	A2	20031029	EP 2003252327	A	20030411	200379

Priority Applications (No Type Date): US 200263361 A 20020416

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
 US 20030196087 A1 15 H04L-009/00  
 EP 1357458 A2 E G06F-001/00  
 Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
 GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

**Abstract (Basic):** US 20030196087 A1

**NOVELTY** - A non-registered user is enabled to access selected contents identified by a token identifier, only after authentication. The non-registered user is authenticated using public key and a digital signature signed using registered user's private key expressed as signed cryptographic digest of non-registered user's public key.

**DETAILED DESCRIPTION** - INDEPENDENT CLAIMS are also included for the following:

- (1) article of manufacture for providing access to network; and
- (2) document server.

**USE** - For providing secure access to documents or services of private network such as intranet.

**ADVANTAGE** - By authenticating non-registered user using digital signature signed using private key of registered user, dynamic access to information by a non-registered user is ensured.

**DESCRIPTION OF DRAWING(S)** - The figure shows a schematic view of the network.

internet (104)  
 user device (106,108)  
 gate way (110)  
 fire wall (112)  
 private network (114)  
 pp; 15 DwgNo 1/5

**Title Terms:** NETWORK; ACCESS; PROVISION; METHOD; AUTHENTICITY; NON; REGISTER; USER; SELECT; CONTENT; PUBLIC; KEY; DIGITAL; SIGNATURE; SIGN; REGISTER; USER; PRIVATE; KEY; EXPRESS; SIGN; CRYPTOGRAPHIC; DIGEST

**Derwent Class:** T01; W01

**International Patent Class (Main):** G06F-001/00; H04L-009/00

**File Segment:** EPI

**7/5/20 (Item 2 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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015683030 \*\*Image available\*\*

WPI Acc No: 2003-745219/200370

XRPX Acc No: N03-596943

**Network communication securing method, involves authenticating communication from device by using pre-authentication information secured by another device**

Patent Assignee: XEROX CORP (XERO )

Inventor: BALFANZ D; LOPES C V; SMETTERS D K; STEWART P J; WONG H; LOPES C; SMETTERS D; STEWART P

Number of Countries: 033 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030149874	A1	20030807	US 200266699	A	20020206	200370 B
EP 1335563	A2	20030813	EP 2003250701	A	20030204	200370
JP 2003309558	A	20031031	JP 200326278	A	20030203	200374

Priority Applications (No Type Date): US 200266699 A 20020206

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030149874 A1 20 H04L-009/00

EP 1335563 A2 E H04L-029/06

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

JP 2003309558 A 12 H04L-009/32

Abstract (Basic): US 20030149874 A1

NOVELTY - The method involves transmitting pre-authentication information from a device to another over a location-limited channel. The pre-authentication information secured by the later device is used to authenticate the communication from the former device.

USE - Used for securing communication over network medium between two devices.

ADVANTAGE - The pre-authentication of the wireless devices eliminates the cave droppers of the medium, thereby allowing the user to exchange desired data between the devices.

DESCRIPTION OF DRAWING(S) - The drawing shows a communication authenticating system for a group of devices.

pp; 20 DwgNo 9/11

Title Terms: NETWORK; COMMUNICATE; SECURE; METHOD; AUTHENTICITY;  
COMMUNICATE; DEVICE; PRE; AUTHENTICITY; INFORMATION; SECURE; DEVICE

Derwent Class: P85; T01; W01

International Patent Class (Main): H04L-009/00; H04L-009/32; H04L-029/06

International Patent Class (Additional): G06F-015/00; G09C-001/00;  
H04L-009/08; H04L-012/22; H04L-012/28; H04Q-007/38

File Segment: EPI; EngPI

7/5/21 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015355172 \*\*Image available\*\*

WPI Acc No: 2003-416110/200339

Related WPI Acc No: 2003-393066; 2003-729878

XRPX Acc No: N03-331619

Nested loader apparatus for cryptographic system, has base module which is programmed to verify presence of unique property of filler module and to dynamically load filler module into slot, only when unique property is correctly verified

Patent Assignee: NOVELL INC (NOVE-N)

Inventor: BERSON T A; KINGDON K W; SCHELL R R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6532451	B1	20030311	US 9879133	P	19980323	200339 B
			US 99274532	A	19990323	

Priority Applications (No Type Date): US 9879133 P 19980323; US 99274532 A 19990323

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6532451	B1	24	H04L-009/00	Provisional application US 9879133

Abstract (Basic): US 6532451 B1

NOVELTY - The apparatus (10) includes a base module provided with slots (302, 332, 336) adapted to receive the filler modules. The filler module contains an unique property which is alterable by an authorized creator of the module. The base module is programmed to verify the presence of unique property of filler module, and to dynamically load

the filler module into the slot, only if the unique property is correctly verified.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) memory device; and
- (2) integration limitation method of software modules.

USE - Nested loader apparatus for cryptographic system used for military communication.

ADVANTAGE - The individual and distinct modular cryptography modules are hosted by a single base application operating on a computer. The base module recognizes and operates only those modules having valid signatures corresponding to software development kit of known authorized agents or distributors and in accordance with authorized policies.

DESCRIPTION OF DRAWING(S) - The figures show schematic block diagrams of slot arrangement.

nested loader apparatus (10)  
slots (302,332,336)  
pp; 24 DwgNo 7, 8/8

Title Terms: NEST; LOAD; APPARATUS; CRYPTOGRAPHIC; SYSTEM; BASE; MODULE; PROGRAM; VERIFICATION; PRESENCE; UNIQUE; PROPERTIES; FILL; MODULE; DYNAMIC; LOAD; FILL; MODULE; SLOT; UNIQUE; PROPERTIES; CORRECT; VERIFICATION

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/00

File Segment: EPI

7/5/22 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015332131 \*\*Image available\*\*

WPI Acc No: 2003-393066/200337

Related WPI Acc No: 2003-416110; 2003-729878

XRPX Acc No: N03-314165

Software module integration limitation method for cryptographic system, processing loader of dynamically loaded filler module, to verify unique property of another filler module to be loaded

Patent Assignee: NOVELL INC (NOVE-N)

Inventor: BERSON T A; KINGDON K W; SCHELL R R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030061483	A1	20030327	US 9879133	P	19980323	200337 B
			US 99247532	A	19990210	
			US 2002279517	A	20021024	

Priority Applications (No Type Date): US 9879133 P 19980323; US 99247532 A 19990210; US 2002279517 A 20021024

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030061483	A1	24		H04L-009/00	Provisional application US 9879133

Cont of application US 99247532

Cont of patent US 6333290

Abstract (Basic): US 20030061483 A1

NOVELTY - A filler module with cryptographic information identifying an unique property is dynamically loaded into an operating

system, after verification of the unique property by a loader. The loader of the filler module is processed to dynamically load another filler module after verifying its unique property using the processed loader.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for data structure for dynamically integrating software modules.

USE - For limiting integration of software module in cryptographic system.

ADVANTAGE - Enables hosting multiple dynamically linked cryptographic modules by a single base application, thereby the modules are separately accessed, authorized and used

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram showing arrangement of modules in the data structure to limit software module integration.

pp; 24 DwgNo 1/8

Title Terms: SOFTWARE; MODULE; INTEGRATE; LIMIT; METHOD; CRYPTOGRAPHIC; SYSTEM; PROCESS; LOAD; DYNAMIC; LOAD; FILL; MODULE; VERIFICATION; UNIQUE; PROPERTIES; FILL; MODULE; LOAD

Derwent Class: T01

International Patent Class (Main): H04L-009/00

File Segment: EPI

7/5/23 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015207926 \*\*Image available\*\*

WPI Acc No: 2003-268462/200326

XRPX Acc No: N03-213298

Facilitating method for personal attention for an individual via wireless networks automatically responding to detection of an individual by transmitting information regarding that individual over wireless link to portable display

Patent Assignee: ASARIA N (ASAR-I); FRANKLIN M (FRAN-I); JAMES M (JAME-I); KRAMER R (KRAM-I); KREMER K (KREM-I); MOORES J (MOOR-I); VISURI P (VISU-I); ZEPS R (ZEPS-I); TABULA RASA INC (TABU-N)

Inventor: ASARIA N; FRANKLIN M; JAMES M; KRAMER R; KREMER K; MOORES J; VISURI P; ZEPS R; COKELEY B; MAKIE T

Number of Countries: 100 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200319344	A1	20030306	WO 2002US25914	A	20020813	200326 B
US 20030043042	A1	20030306	US 2001938356	A	20010821	200331
			US 2001955535	A	20010912	
			US 2001993171	A	20011113	
US 20030043040	A1	20030306	US 2001938356	A	20010821	200331
US 20030043041	A1	20030306	US 2001938356	A	20010821	200331
			US 2001955535	A	20010912	

Priority Applications (No Type Date): US 2001993171 A 20011113; US 2001938356 A 20010821; US 2001955535 A 20010912

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
WO 200319344 A1 E 56 G06F-003/02

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
 GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW  
 US 20030043042 A1 G08B-023/00 CIP of application US 2001938356  
 CIP of application US 2001955535  
 US 20030043040 A1 G08B-023/00  
 US 20030043041 A1 G08B-023/00 CIP of application US 2001938356

Abstract (Basic): WO 200319344 A1

**NOVELTY** - The method involves detecting the presence of an individual by reading an encoded tag associated with the individual. The detection of the individual provokes an automatic response of transmitting information regarding that individual over a wireless link to a portable display device. A selected portion of the information is displayed on a display portion of the display device. The encoded tag comprises a radio frequency identification (RFID) tag.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a system.

USE - For identification of individuals.

**ADVANTAGE** - Efficient and reliable system for identifying and gathering information about an individual e.g. in an emergency.

DESCRIPTION OF DRAWING(S) - The figure shows the system.

pp. 56 DwgNo. 1

Title Terms: FACILITATE; METHOD; PERSON; ATTENTION; INDIVIDUAL; WIRELESS;  
NETWORK; AUTOMATIC; RESPOND; DETECT; INDIVIDUAL; TRANSMIT; INFORMATION;  
INDIVIDUAL; WIRELESS; LINK; PORTABLE; DISPLAY

Derwent Class: T01: T05: W01: W02

International Patent Class (Main): G06F-003/02; G08B-023/00

International Tax  
File Segment: FBT

7/5/24 (Item 6 from file: 350)

7/3/24 (Item 3 from file  
DIALOG(B) File 350: Derwent WPIX

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015161769 \*\*Image available\*\*

WBT Acc. No.: 3003-333387/200321

WPT ACC NO. 2003-222297  
XRDY Acc No: N03 177336

XRPX ACC NO: NUS-177276  
Identity-based encryption e.g. for cryptographic systems, where the sender and receiver compute a secret message key using identity-based information and a bilinear map.

Patent Assignee: BONEH D (BONE-I); FRANKLIN M (FRAN-I); UNIV LEMLAND  
STANFORD JUNIOR (STRD )

STANFORD JUNIOR (SJRDB )  
Inventor: BONEH D; FRANKLIN M

INVENTOR: BUNER D; FRANKLIN M  
Number of Countries: 082 Number of Patents: 003

**Number of Count**

Patent Family:

Patent No	Kind	Date	Applicant No	Kind	Date	Week
WO 200317559	A2	20030227	WO 2002US27155	A	20020813	200321 B
US 20030081785	A1	20030501	US 2001311946	P	20010813	200331
			IJS 2002218697	A	20020813	

Priority Applications (No Type Date): US 2001311946 P 20010813; US  
2002218697 A 20020813

### Patent Details:

Patent Details: Patent No. Kind Inv Pg Main IPC Filing Notes

WO 200317559 A2 E 78 HO4I-000/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW  
US 20030081785 A1 H04L-009/00 Provisional application US 2001311946

Abstract (Basic): WO 200317559 A2

NOVELTY - Encrypting a piece of information M to be sent by a sender (100) to a receiver (110) allows both sender and receiver to compute a secret message key using identity-based information and a bilinear map. The identifier ID may include various types of information such as the receiver's e-mail address, a receiver credential, a message identifier, or a date. The sender uses a bilinear map and the encryption key to compute a secret message key, which is then used to encrypt a message M, producing ciphertext V to be sent from the sender (100) to the receiver (110) together with an element.

DETAILED DESCRIPTION - An identity-based decryption key is computed by a private key generator (120) based on the ID associated with the receiver and a secret master key. After obtaining the private decryption key from the key generator (120), the receiver (110) uses it together with the element and the bilinear map to compute the secret message key, which is then used to decrypt V and recover the original message M. INDEPENDENT CLAIM included for the following: method to generate a decryption key; ,method for encrypting; computer readable storage medium; method for providing system parameters; method of communicating; electronic message

USE - For cryptographic systems.

ADVANTAGE - Provides an improved cryptographic method.

DESCRIPTION OF DRAWING(S) - The diagram shows a cryptosystem, showing steps taken by a sender, a receiver, and a private key generator (PKG), and information communicated between them

sender (100)

receiver (110)

pp; 78 DwgNo 1/12

Title Terms: IDENTIFY; BASED; ENCRYPTION; SYSTEM; SEND; RECEIVE; COMPUTATION; SECRET; MESSAGE; KEY; IDENTIFY; BASED; INFORMATION; MAP

Derwent Class: T01; W01

International Patent Class (Main): H04L-000/00; H04L-009/00

File Segment: EPI

7/5/25 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015028846 \*\*Image available\*\*

WPI Acc No: 2003-089363/200308

XRPX Acc No: N03-070406

Wireless signal transmission method for CDMA-based mobile communication system, involves providing non-summed composite version of wireless signal

Patent Assignee: QUALCOMM INC (QUAL-N)

Inventor: BAKER K R; DEAN R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6459725	B1	20021001	US 98126694	A	19980731	200308 B

Priority Applications (No Type Date): US 98126694 A 19980731

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6459725	B1	15	H03K-011/00	

Abstract (Basic): US 6459725 B1

NOVELTY - The versions (553,555) of a wire signal, are received by receiver system (552,554), respectively. A switch (556) switches between the versions of the wireless signal and provides a non-summed composite version (557) of the wireless signal that includes multiplexed portions of the versions (553,555), to a transmitter system (558).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Wireless communication system; and
- (2) Repeater system.

USE - For CDMA-based mobile communication system.

ADVANTAGE - By transmitting a non-summed composite version of the wireless signal, diversity between the repeater and the base station is improved and hence reliability of the system is increased. Also, due to improved diversity, fading is minimized, signal power requirements are reduced, three-decibel SNR loss is reduced, thereby reducing cost of user communication devices while increasing operational battery life.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of communication system.

Receiver systems (552,554)

Versions of wire signal (553,555)

Switch (556)

Non-summed composite version (557)

Transmitter system (558)

pp; 15 DwgNo 5/10

Title Terms: WIRELESS; SIGNAL; TRANSMISSION; METHOD; CDMA; BASED; MOBILE; COMMUNICATE; SYSTEM; NON; SUM; COMPOSITE; VERSION; WIRELESS; SIGNAL

Derwent Class: U21; W01; W02

International Patent Class (Main): H03K-011/00

International Patent Class (Additional): H04L-025/60; H04L-025/64

File Segment: EPI

7/5/26 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014727694 \*\*Image available\*\*

WPI Acc No: 2002-548398/200258

Related WPI Acc No: 2002-548359

XRPX Acc No: N02-434180

Smart routing for guest room services e.g. door locks, mini-bar monitoring, etc. that enables hotels to cheaply administer power management in guest rooms

Patent Assignee: INNCOM INT INC (INNC-N)

Inventor: BUCKINGHAM D W; FRANKLIN M; ROOSLI P A; SCOTT T A

Number of Countries: 096 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200260111	A2	20020801	WO 2002US2354	A	20020124	200258 B

Priority Applications (No Type Date): US 2001323872 P 20010921; US 2001263940 P 20010124

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200260111 A2 E 30 H04L-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS

JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL  
 PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200260111 A2

NOVELTY - Involves storing in a memory several addresses corresponding to several guest room control devices. Each guest room control device includes a centralized electronic locking system component, a guest room energy management system component, a direct digital control system component and a mini-bar monitoring device. The address of a guest room control device is selected from the number of addresses. Control data is encapsulated in a packet and sent to the guest room control device through a network.

USE - To provide guest room services e.g. door locks, mini-bar monitoring, etc. and guest room control in a building e.g. for power saving.

ADVANTAGE - Enables hotels to cheaply administer power management in guest rooms.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic diagram of the system in which the routing method is employed.

pp; 30 DwgNo 1/5

Title Terms: SMART; ROUTE; GUEST; ROOM; SERVICE; DOOR; LOCK; MINI; BAR; MONITOR; ENABLE; HOTEL; CHEAP; ADMINISTER; POWER; MANAGEMENT; GUEST; ROOM  
 Derwent Class: W01; W05; X12  
 International Patent Class (Main): H04L-000/00  
 File Segment: EPI

7/5/27 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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014727655 \*\*Image available\*\*

WPI Acc No: 2002-548359/200258

Related WPI Acc No: 2002-548398

XRPX Acc No: N02-434142

Guest room service and control system for a building e.g. a hotel has local area network, guest room networks, room hub, guest room control device and guest room service device

Patent Assignee: INNCOM INT INC (INNC-N)

Inventor: BUCKINGHAM D W; FRANKLIN M; ROOSLI P A; SCOTT T A

Number of Countries: 096 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200259764	A1	20020801	WO 2002US2264	A	20020124	200258 B

Priority Applications (No Type Date): US 2001323872 P 20010921; US 2001263940 P 20010124

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200259764	A1	E	36	G06F-015/173	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200259764 A1

**NOVELTY** - The system includes a local area network. Several guest room networks are coupled to the local area network. Each guest room network is associated with a guest room in the building. Each guest room network includes a room hub coupled to the local area network and a guest room control device coupled to the room hub.

**DETAILED DESCRIPTION** - A guest room service device coupled to the room hub is a computer, a voice over Internet Protocol phone, an Internet Protocol radio or a television signal converter. Data between the local area network and the room hub is communicated in packets configured according to a first communications protocol.

**USE** - For environment control of guest rooms in hotel e.g. of heating.

**ADVANTAGE** - Allows energy to be conserved in guest room leading to more economical running costs.

**DESCRIPTION OF DRAWING(S)** - The figure shows a centralized guest room control system.

pp; 36 DwgNo 1/5

Title Terms: GUEST; ROOM; SERVICE; CONTROL; SYSTEM; BUILD; HOTEL; LOCAL; AREA; NETWORK; GUEST; ROOM; NETWORK; ROOM; HUB; GUEST; ROOM; CONTROL; DEVICE; GUEST; ROOM; SERVICE; DEVICE

Derwent Class: T01; T05; W01; W05; X27

International Patent Class (Main): G06F-015/173

File Segment: EPI

7/5/28 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014700916 \*\*Image available\*\*

WPI Acc No: 2002-521620/200256

XRPX Acc No: N02-412761

**Document forgery protection printing method involves printing fragile or robust watermarks corresponding to protection level determined based on determined forgery protection requirement**

Patent Assignee: XEROX CORP (XERO )

Inventor: BELL A G; BERSON T A; BREUEL T M; CASS T; CURRY D N; FRANKLIN M K ; GREENE D H; HECHT D L; KRIVACIC R T; LUNT T F; R DREWS D; STEFIK M J

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1209897	A2	20020529	EP 2001309647	A	20011115	200256 B
JP 2002190947	A	20020705	JP 2001290056	A	20010921	200259

Priority Applications (No Type Date): US 2000722508 A 20001128; US 2000722362 A 20001128

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1209897	A2	E	22 H04N-001/32	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002190947	A	14 H04N-001/387
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Abstract (Basic): EP 1209897 A2

**NOVELTY** - A protection level (130) to be applied to a document (140) is determined based on forgery protection requirements determined by processing the document's image. Fragile or robust watermarks corresponding to the determined protection level are printed on the document using a selected printer.

**DETAILED DESCRIPTION** - An INDEPENDENT CLAIM is included for

document forgery protection printing system.

USE - For protecting document against forgery.

ADVANTAGE - The fragile or robust watermark identify the custodian of the original document, the restrictions on further copying that apply to the custodian and to the original document, and other information that serves to more uniquely identify the original document, thereby detecting forgery accurately.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of a print management system.

Protection level (130)

Document (140)

pp; 22 DwgNo 1/11

Title Terms: DOCUMENT; FORGE; PROTECT; PRINT; METHOD; PRINT; FRAGILE; ROBUST; WATERMARK; CORRESPOND; PROTECT; LEVEL; DETERMINE; BASED; DETERMINE; FORGE; PROTECT; REQUIRE

Derwent Class: P75; T01; W02

International Patent Class (Main): H04N-001/32; H04N-001/387

International Patent Class (Additional): B41J-005/30; B41J-029/00;

B41J-029/38; G06F-003/12; G06T-001/00; H04N-001/40

File Segment: EPI; EngPI

7/5/29 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014615056 \*\*Image available\*\*

WPI Acc No: 2002-435760/200246

Related WPI Acc No: 2002-444392

XRPX Acc No: N02-343010

Secure authentication of users via intermediate parties in computer communications to provide remote clients with access to server by creating log in records for clients

Patent Assignee: BERSON T A (BERS-I); RUDY S M (RUDY-I); FUSIONONE INC (FUSI-N)

Inventor: BERSON T A; RUDY S M

Number of Countries: 021 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200237749	A1	20020510	WO 2001US46094	A	20011102	200246 B
US 20020087866	A1	20020704	US 2000245949	P	20001103	200247
			US 20013693	A	20011102	

Priority Applications (No Type Date): US 2000245949 P 20001103; US 20013693

A 20011102

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200237749	A1	E	44	H04L-009/32	
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Designated States (National): JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE TR

US 20020087866 A1 H04K-001/00 Provisional application US 2000245949

Abstract (Basic): WO 200237749 A1

NOVELTY - An intermediate system creates log in records for each client, receives log in data from a client and determines if the client should be authenticated for access to the intermediate system. It sends primary system authentication data to the identified primary system and the primary system determines whether to authenticate the client. If authentication is successful, an acknowledgment is sent to the

intermediate system and the application is performed.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following;

- (1) for a processor readable storage medium;
- (2) for access providing apparatus.

USE - Securing computer communications.

ADVANTAGE - Reduced resources expended in uploading and storing primary system data.

DESCRIPTION OF DRAWING(S) - The drawing is a flow chart of the process.

pp; 44 DwgNo 2/9

Title Terms: SECURE; AUTHENTICITY; USER; INTERMEDIATE; PARTY; COMPUTER; COMMUNICATE; REMOTE; CLIENT; ACCESS; SERVE; LOG; RECORD; CLIENT

Derwent Class: T01; W01

International Patent Class (Main): H04K-001/00; H04L-009/32

File Segment: EPI

7/5/30 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014367191 \*\*Image available\*\*

WPI Acc No: 2002-187893/200224

XRPX Acc No: N02-142459

Real estate investment instrument creation method involves reaggregating multiple tenant-in-common deeds after specified interval, by using multiple deedshares that are created from real estate portfolio

Patent Assignee: AMERICAN MASTER LEASE LLC (AMMA-N)

Inventor: ANDREWS J; FRANKLIN M; ROBERTS N; RUNNELS C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020013750	A1	20020131	US 98205633	A	19981203	200224 B
			US 2001956372	A	20010917	

Priority Applications (No Type Date): US 98205633 A 19981203; US 2001956372

A 20010917

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020013750	A1	14		G06F-017/60	Cont of application US 98205633
					Cont of patent US 6292788

Abstract (Basic): US 20020013750 A1

NOVELTY - A real property is aggregated to form a real estate portfolio. The property in the portfolio is encumbered with a master agreement. Multiple deedshares are created by dividing the title in the portfolio into multiple tenant-in-common deeds of predetermined denomination. The tenant-in-common deeds are reaggregated after a specified interval, by using the created deedshares.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for tax-deferred real estate investment exchanging method.

USE - For creating real estate investment instrument for transaction of tax-deferred real estate.

ADVANTAGE - Provides safety, steady income stream, divisibility, ready liquidity and no involvement in management of the property.

DESCRIPTION OF DRAWING(S) - The figure shows the new real estate investment method and instrument.

pp; 14 DwgNo 2/8

Title Terms: REAL; ESTATE; INVESTMENT; INSTRUMENT; CREATION; METHOD;

MULTIPLE; COMMON; AFTER; SPECIFIED; INTERVAL; MULTIPLE; REAL; ESTATE;

PORFOLIO  
Derwent Class: T01  
International Patent Class (Main): G06F-017/60  
File Segment: EPI

7/5/31 (Item 13 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014278498 \*\*Image available\*\*

WPI Acc No: 2002-099199/200214

XRPX Acc No: N02-073330

**Transition state-based cryptographic method for use in game, military applications, involves providing access key to user in response to request, only upon presentation of valid state key**

Patent Assignee: XEROX CORP (XERO )

Inventor: BERSON T A; DEAN R D; FRANKLIN M K; LUNT T F; SMETTERS D K

Number of Countries: 027 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1168140	A2	20020102	EP 2001305072	A	20010611	200214 B
JP 2002077138	A	20020315	JP 2001170639	A	20010606	200222

Priority Applications (No Type Date): US 2000596834 A 20000619

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1168140 A2 E 13 G06F-001/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002077138 A 9 H04L-009/16

Abstract (Basic): EP 1168140 A2

NOVELTY - A request including a state key is forwarded from a user to a server through LAN, WAN, wireless network or Internet, to obtain access to data and/or a subsequent state of the application, when reaching a particular state in the application. The validity of the state key is analyzed by the server in response to the request, and a required access key is provided when the state key is valid.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Transition state-based cryptographic system;
- (b) Transition state-based cryptographic program recorded on computer readable medium

USE - For workflow applications, military applications, game applications such as computer games or simulations, including single player or multi player game, to allow progression to subsequent stages of workflow, confidential military map and game levels respectively.

ADVANTAGE - Protects confidentiality of data until some predefined condition has occurred, by revealing next portion of data only when valid state key is presented. Results in saving of network bandwidth, as the need to move large qualities of application data from server to application across the network is alleviated. Ensures security of transmitted application data, as the data are transmitted as state keys or access keys, avoiding interception by other parties.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining the process of transition state-based cryptography.

pp: 13 DwgNo 3/7

Title Terms: TRANSITION; STATE; BASED; CRYPTOGRAPHIC; METHOD; GAME; MILITARY; APPLY; ACCESS; KEY; USER; RESPOND; REQUEST; PRESENT; VALID;

STATE; KEY  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-001/00; H04L-009/16  
International Patent Class (Additional): G06F-012/00; G06F-012/14  
File Segment: EPI

7/5/32 (Item 14 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014104832 \*\*Image available\*\*  
WPI Acc No: 2001-589046/200166  
Related WPI Acc No: 2002-187893  
XRPX Acc No: N01-438692

Investment process creation method for tax-deferred exchanges in real estate business, involves producing tenant-in-common deed shares by dividing property capital and recombining deeds based on master agreement

Patent Assignee: AMERICAN MASTER LEASE LLC (AMMA-N)

Inventor: ANDREWS J; FRANKLIN M; ROBERTS N; RUNNELS C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6292788	B1	20010918	US 98205633	A	19981203	200166 B

Priority Applications (No Type Date): US 98205633 A 19981203

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6292788	B1	15	G06F-017/60	

Abstract (Basic): US 6292788 B1

NOVELTY - The real properties are combined to form a real estate portfolio and is encumbered using a master agreement. Capital of the property is divided into tenant-in-common deeds of predetermined denomination. The deeds are recombined at specific interval, based on the procedures described in master agreement.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method of performing a tax deferred exchange of investment.

USE - For performing tax-deferred exchanges in commercial and other real estate business.

ADVANTAGE - Provides safety and steady income stream with ready liquidity without involvement in property management. Provides right to master tenant for sublease the real estate.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of new real estate investment method and investment rules.

pp: 15 DwgNo 2/8

Title Terms: INVESTMENT; PROCESS; CREATION; METHOD; TAX; DEFER; EXCHANGE; REAL; ESTATE; BUSINESS; PRODUCE; COMMON; DEED; SHARE; DIVIDE; PROPERTIES; CAPITAL; RECOMBINATION; BASED; MASTER; AGREE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

7/5/33 (Item 15 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014067007 \*\*Image available\*\*  
WPI Acc No: 2001-551220/200162

XRPX Acc No: N01-409568

Access control system for authenticating online content referenced in hardcopy documents has user responding to an authentication challenge from the server using a password mechanism printed in the hardcopy document

Patent Assignee: XEROX CORP (XERO )

Inventor: BERSON T A; DEAN R D; GREENE D H

Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1096358	A1	20010502	EP 2000123263	A	20001026	200162 B
JP 2001167052	A	20010622	JP 2000323407	A	20001024	200162

Priority Applications (No Type Date): US 99429539 A 19991028

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1096358 A1 E 28 G06F-001/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

JP 2001167052 A 16 G06F-015/00

Abstract (Basic): EP 1096358 A1

NOVELTY - The access control system authenticates online content referenced in hardcopy documents has the user responding to an authentication challenge from the server using a password mechanism printed in the hardcopy document which allows the user to identify a password for responding to the request by the server.

DETAILED DESCRIPTION - Independent claims describe a server for providing secure access to online content and a hardcopy document.

USE - As a system for authenticating online content referenced in hardcopy documents.

ADVANTAGE - After authenticating the user the server initiates a state change to enable subsequent access to the online content by the user with a different password that is also identified with the password mechanism.

DESCRIPTION OF DRAWING(S) - The drawing shows a detailed view of a page of the hardcopy document with a reference to online content and a password mechanism for responding to challenges to requests for access to the online content.

the login reference (116)

the page (115)

the hardcopy document (112)

pp; 28 DwgNo 2/25

Title Terms: ACCESS; CONTROL; SYSTEM; AUTHENTICITY; CONTENT; REFERENCE; DOCUMENT; USER; RESPOND; AUTHENTICITY; SERVE; PASSWORD; MECHANISM; PRINT; DOCUMENT

Derwent Class: T01

International Patent Class (Main): G06F-001/00; G06F-015/00

International Patent Class (Additional): G06F-003/12

File Segment: EPI

7/5/34 (Item 16 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014018353 \*\*Image available\*\*

WPI Acc No: 2001-502567/200155

XRPX Acc No: N01-372726

Data object access right granting method involves creating and forwarding

license object cell related with data object cell, to user computer  
 Patent Assignee: MEDIADNA INC (MEDI-N)  
 Inventor: FRANKLIN M; KNAUFT C  
 Number of Countries: 094 Number of Patents: 002  
 Patent Family:  
 Patent No Kind Date Applicat No Kind Date Week  
 WO 200150319 A2 20010712 WO 2000US35103 A 20001222 200155 B  
 AU 200125945 A 20010716 AU 200125945 A 20001222 200169

Priority Applications (No Type Date): US 99474830 A 19991230

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200150319	A2	E	88	G06F-017/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW  
 AU 200125945 A G06F-017/00 Based on patent WO 200150319

Abstract (Basic): WO 200150319 A2

NOVELTY - Data object cell is created and sent to user computer (115) over a network. A license object cell related to data object cell is created and sent to the computer over the network. Access to data object cell is granted based upon information in the related license object cell.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Data object management method;
- (b) Network for providing service to use;
- (c) Data object management system;
- (d) Data object cell;
- (e) License object cell;

USE - For digital rights management (DRM) of on-line customer for providing goods and service through internet.

ADVANTAGE - Provides complete control over a customer's access to information, by allowing customer to access content as prescribed by terms of content cell and license cell. Since the license management system is available for immediate access through communication medium, the customer can access the content without much delay.

DESCRIPTION OF DRAWING(S) - The figure shows the high level block diagram of data object access right management method.

User computer (115)  
 pp; 88 DwgNo 1/14

Title Terms: DATA; OBJECT; ACCESS; RIGHT; METHOD; FORWARDING; LICENCE; OBJECT; CELL; RELATED; DATA; OBJECT; CELL; USER; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-017/00

File Segment: EPI

7/5/35 (Item 17 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

013905415 \*\*Image available\*\*  
 WPI Acc No: 2001-389628/200141  
 XRPX Acc No: N01-315993

Pulse oximetry sensor for measuring blood flow characteristics, has memory in which sensor signal is stored along with digital signature  
 Patent Assignee: MALLINCKRODT INC (MLCW )

Inventor: BERSON T A; FEIN M E; MANNHEIMER P D; OLSON B; PORGES C E;  
 SCHLOEMER D

Number of Countries: 095 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200122873	A1	20010405	WO 2000US27017	A	20000928	200141	B
AU 200078430	A	20010430	AU 200078430	A	20000928	200142	
BR 200014345	A	20020611	BR 200014345	A	20000928	200248	
			WO 2000US27017	A	20000928		
EP 1215995	A1	20020626	EP 2000968534	A	20000928	200249	
			WO 2000US27017	A	20000928		
KR 2002064292	A	20020807	KR 2002704038	A	20020328	200309	
CN 1407870	A	20030402	CN 2000816334	A	20000928	200345	
JP 2003524948	W	20030819	WO 2000US27017	A	20000928	200356	
			JP 2001526093	A	20000928		
NZ 517977	A	20031031	NZ 517977	A	20000928	200380	
			WO 2000US27017	A	20000928		

Priority Applications (No Type Date): US 2000662246 A 20000914; US 99156488 P 19990928

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200122873	A1	E	33 A61B-005/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200078430	A	A61B-005/00	Based on patent WO 200122873
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BR 200014345	A	A61B-005/00	Based on patent WO 200122873
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EP 1215995	A1	E	A61B-005/00	Based on patent WO 200122873
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

KR 2002064292	A	A61B-005/00	
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CN 1407870	A	A61B-005/00	
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JP 2003524948	W	37 H04L-009/32	Based on patent WO 200122873
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NZ 517977	A	A61B-005/00	Based on patent WO 200122873
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Abstract (Basic): WO 200122873 A1

NOVELTY - A sensor outputs signal corresponding to the measured physiological characteristics. A memory arranged outside monitor, stores data relating to the sensor along with digital signature.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Method of creating digital signature;
- (b) Sensor reader;
- (c) Blood flow characteristic evaluation system;
- (d) Sensor operating method for blood flow evaluation.

USE - To measure various blood flow characteristics like blood oxygen saturation of hemoglobin in arterial blood, blood pulse rate, etc.

ADVANTAGE - Ensures accurate computations and accurate patient monitoring, by storing sensing data along with patient identification.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of signing mechanism in the measuring system.

pp: 33 DwgNo 4/10

Title Terms: PULSE; SENSE; MEASURE; BLOOD; FLOW; CHARACTERISTIC; MEMORY;  
SENSE; SIGNAL; STORAGE; DIGITAL; SIGNATURE

Derwent Class: P31; S05; T01; W01

International Patent Class (Main): A61B-005/00; H04L-009/32

International Patent Class (Additional): A61B-005/145; G06F-001/00;  
G06F-012/14

File Segment: EPI; EngPI

7/5/36 (Item 18 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013783140

WPI Acc No: 2001-267351/200128

XRPX Acc No: N01-191287

Method for providing privacy and trust in electronic communications uses  
public and private keys and cryptographic techniques to find shared  
preferences in a group without requiring disclosure of those preferences

Patent Assignee: XEROX CORP (XERO )

Inventor: FRANKLIN M K; HOGG T H; HUBERMAN B A

Number of Countries: 025 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1052582	A2	20001115	EP 2000110372	A	20000515	200128 B

Priority Applications (No Type Date): US 2000568794 A 20000509; US 99134179  
P 19990513

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1052582 A2 E 21 G06F-017/60

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): EP 1052582 A2

NOVELTY - Cryptographic techniques involving private and public  
keys are used: to find a group with shared preferences without  
requiring individuals to disclose their preferences to others; to allow  
an individual to negotiate on behalf of a group by proving membership  
of the group without revealing one's identity; and to allow an  
individual to deniably sign a document making recommendations to  
another individual.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for  
(a) a method for an individual to deniably sign a recommendation  
for another individual  
(b) and a method of discovering a community with a shared interest  
or preference.

USE - In electronic communications.

ADVANTAGE - Allows greater trust and certainty by providing  
anonymity for individuals.

pp; 21 DwgNo 0/5

Title Terms: METHOD; PRIVATE; ELECTRONIC; COMMUNICATE; PUBLIC; PRIVATE; KEY  
; CRYPTOGRAPHIC; TECHNIQUE; FINDER; SHARE; GROUP; REQUIRE; DISCLOSE

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/60

File Segment: EPI

7/5/37 (Item 19 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013251636    \*\*Image available\*\*

WPI Acc No: 2000-423519/200036

XRPX Acc No: N00-315976

**Document text obfuscating method for information retrieval system, involves retaining index words by discarding the words from document corresponding to words in predefined words set**

Patent Assignee: MEDIADNA INC (MEDI-N); INCEPTOR INC (INCE-N)

Inventor: BENSON G; FRANKLIN M; KNAUFT C; KNAUFT C L

Number of Countries: 091 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200034845	A2	20000615	WO 99US29150	A	19991208	200036 B
AU 200019369	A	20000626	AU 200019369	A	19991208	200045
EP 1141811	A2	20011010	EP 99963053	A	19991208	200167
			WO 99US29150	A	19991208	
US 6654754	B1	20031125	US 98111501	P	19981208	200378
			US 99456784	A	19991208	

Priority Applications (No Type Date): US 98111501 P 19981208; US 99456784 A 19991208

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200034845 A2 E 42 G06F-000/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200019369 A G06F-000/00 Based on patent WO 200034845

EP 1141811 A2 E G06F-001/00 Based on patent WO 200034845

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

US 6654754 B1 G06F-017/30 Provisional application US 98111501

Abstract (Basic): WO 200034845 A2

NOVELTY - The index words are retained by discarding the words from the document corresponding to words in predefined words set. The document generated after words discarding is transmitted to the information retrieval system. The discarded words are replaced by different words from predefined words set. The order of non-discarded words is reversed.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) document obfuscating system;
- (b) dynamic electronic document generating method

USE - For generating index information for data objects in information retrieval systems.

ADVANTAGE - Reduces cost of system used in generation of index data for IR system. Avoids need for modification in IR system providers. Facilitates usage of DRM-protected data objects in IR systems. Offers seamless, transparent and immediate support for search of DRM-protected data object. Reduces overhead associated with maintenance of index data for IR system. Generates new index data for data object if content of data objects is changed.

DESCRIPTION OF DRAWING(S) - The figure shows data flow diagram showing communication between client and server.

pp; 42 DwgNo 2/17

Title Terms: DOCUMENT; TEXT; METHOD; INFORMATION; RETRIEVAL; SYSTEM; RETAIN

; INDEX; WORD; DISCARDED; WORD; DOCUMENT; CORRESPOND; WORD; PREDEFINED;  
WORD; SET  
Derwent Class: T01  
International Patent Class (Main): G06F-000/00; G06F-001/00; G06F-017/30  
File Segment: EPI

7/5/38 (Item 20 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013237997 \*\*Image available\*\*

WPI Acc No: 2000-409871/200035

XRPX Acc No: N00-306137

**Transaction executing method for secure auction service network involves validating monetary bids by decryption using private keys and evaluating consistency with public information**

Patent Assignee: AT & T CORP (AMTT )

Inventor: FRANKLIN M K; REITER M K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6055518	A	20000425	US 9610993	A	19960201	200035 B
			US 96745717	A	19961112	

Priority Applications (No Type Date): US 9610993 P 19960201; US 96745717 A 19961112

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6055518	A	19	G06F-019/00	Provisional application US 9610993

Abstract (Basic): US 6055518 A

NOVELTY - A winning bidding terminal is collectively determined from several terminals. The bids are encoded using public information and private keys for distribution to servers. The encrypted monetary bids are distributed in shares among the servers. The servers validate the bids by decrypting the bids using private keys and evaluates the consistency with the public information.

DETAILED DESCRIPTION - Monetary bids submitted from the bidding terminals are distributed among servers during bidding period. Validity of the monetary value of each bid is verified at the servers using a distributed protocol.

USE - For secure auction service network.

ADVANTAGE - Enables coalition of auction servers to link the same coin, and thus the same bidder, to both actions, and does not prevent the framing attack. Provides secure and efficient integration of the range of old and new cryptographic techniques.

DESCRIPTION OF DRAWING(S) - The figure shows simplified overview of secure option system.

pp; 19 DwgNo 1/5

Title Terms: TRANSACTION; EXECUTE; METHOD; SECURE; AUCTION; SERVICE; NETWORK; VALID; MONEY; BID; DECRYPTER; PRIVATE; KEY; EVALUATE; CONSISTENCY; PUBLIC; INFORMATION

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-019/00

International Patent Class (Additional): H04L-009/00

File Segment: EPI

7/5/39 (Item 21 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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012652386 \*\*Image available\*\*

WPI Acc No: 1999-458491/199938

XRPX Acc No: N99-342939

**Controlling computer data usage**

Patent Assignee: MACROVISION CORP (MACR-N); MEDIADNA INC (MEDI-N)

Inventor: BENSON G; FRANKLIN M; KNAUFT C L

Number of Countries: 085 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9936854	A1	19990722	WO 99US968	A	19990115	199938	B
AU 9923228	A	19990802	AU 9923228	A	19990115	199954	
EP 1047992	A1	20001102	EP 99903135	A	19990115	200056	
			WO 99US968	A	19990115		
CN 1287639	A	20010314	CN 99802008	A	19990115	200141	
KR 2001024853	A	20010326	KR 2000707722	A	20000713	200161	
EP 1047992	B1	20020410	EP 99903135	A	19990115	200227	
			WO 99US968	A	19990115		
JP 2002509313	W	20020326	WO 99US968	A	19990115	200236	
			JP 2000540498	A	19990115		
DE 69901231	E	20020516	DE 601231	A	19990115	200240	
			EP 99903135	A	19990115		
			WO 99US968	A	19990115		
MX 2000006914	A1	20011001	MX 20006914	A	20000714	200274	
ES 2175936	T3	20021116	EP 99903135	A	19990115	200302	
US 6510516	B1	20030121	US 9871737	P	19980116	200309	
			US 99231140	A	19990115		
AU 765747	B	20030925	AU 9923228	A	19990115	200373	

Priority Applications (No Type Date): US 9871737 P 19980116; US 99231140 A 19990115

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9936854 A1 E 27 G06F-011/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9923228 A G06F-011/00 Based on patent WO 9936854

EP 1047992 A1 E G06F-011/00 Based on patent WO 9936854

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

CN 1287639 A G06F-011/00

KR 2001024853 A G06F-011/00

EP 1047992 B1 E G06F-011/00 Based on patent WO 9936854

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

JP 2002509313 W 42 G06F-015/00 Based on patent WO 9936854

DE 69901231 E G06F-011/00 Based on patent EP 1047992

Based on patent WO 9936854

MX 2000006914 A1 G06F-011/00

ES 2175936 T3 G06F-011/00 Based on patent EP 1047992

US 6510516 B1 H04L-009/00 Provisional application US 9871737

AU 765747 B G06F-011/00 Previous Publ. patent AU 9923228

Based on patent WO 9936854

Abstract (Basic): WO 9936854 A1

NOVELTY - Method consists in providing a data object including a description of the peer data objects, determining whether they are authorized to communicate with the peer data objects, and connecting the data object to the peer data objects based on authorization being granted, so that the objects can communicate with each other. The peer data objects define a software application (Internet browser, on-line virtual store) and the data object can be encrypted. Digital signatures are verified in each peer data object to determine authorization of peer data objects.

USE - Method is for authenticating peer data objects in component object systems such as browser systems.

ADVANTAGE - Method authenticates identity of a data object to its peers each time the data object is used and authenticates the identity of the peers to the data object.

DESCRIPTION OF DRAWING(S) - The drawing shows a high-level block diagram with data object providers, data object and animating system connecting the data object to peer data objects.

pp; 27 DwgNo 1/10

Title Terms: CONTROL; COMPUTER; DATA

Derwent Class: T01

International Patent Class (Main): G06F-011/00; G06F-015/00; H04L-009/00

International Patent Class (Additional): G06F-001/00; G06T-015/70

File Segment: EPI

7/5/40 (Item 22 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011946226 \*\*Image available\*\*

WPI Acc No: 1998-363136/199831

XRPX Acc No: N98-283513

Simultaneous document exchange apparatus for network - has first and second sharing mechanisms for sharing first and second documents respectively, with third party verification without revelation, and with first and second principal verification of document sharing

Patent Assignee: AT & T CORP (AMTT )

Inventor: FRANKLIN M K; REITER M K

Number of Countries: 021 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9827688	A2	19980625	WO 97US23220	A	19971211	199831 B
US 6263436	B1	20010717	US 96768380	A	19961217	200142

Priority Applications (No Type Date): US 96768380 A 19961217

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9827688 A2 E 55 H04L-009/32

Designated States (National): CA JP MX

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC

NL PT SE

US 6263436 B1 H04L-009/00

Abstract (Basic): WO 9827688 A

The apparatus includes a mechanism for sharing a first document between principal Y and third party Z, and a second mechanism for sharing a second document between principal X and third party Z. A third party verifier confirms from Z that the sharing of the two documents is performed correctly.

This is done without revealing the documents to Z.

If Z verifies the sharing, it sends its shares to Y and X. The second principal verifier for Y verifies Z's share of the first document, and the first principal verifier for X verifies Z's share of the second document. The sharing mechanism uses a 2 out of 2 secret sharing scheme.

USE - For electronic commerce and transactions, and techniques for enabling users to engage in fair or simultaneous electronic transactions using semi-trusted third party.

ADVANTAGE - Prevents, during fraudulent behaviour by user, disclosure of any electronic information until exchange and authentication of information is complete.

Dwg. 2A/4

Title Terms: SIMULTANEOUS; DOCUMENT; EXCHANGE; APPARATUS; NETWORK; FIRST; SECOND; SHARE; MECHANISM; SHARE; FIRST; SECOND; DOCUMENT; RESPECTIVE; THIRD; PARTY; VERIFICATION; FIRST; SECOND; PRINCIPAL; VERIFICATION; DOCUMENT; SHARE

Derwent Class: T01; T05; W01

International Patent Class (Main): H04L-009/00; H04L-009/32

File Segment: EPI

7/5/41 (Item 23 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011931998 \*\*Image available\*\*

WPI Acc No: 1998-348908/199830

XRPX Acc No: N98-272303

Metering apparatus for recording visit to Web sites - has metering program and cookie downloaded to client and tracking time of site visit that is reported to meter logging server

Patent Assignee: AT & T CORP (AMTT )

Inventor: FRANKLIN M K; MALKHI D; FRAKLIN M K

Number of Countries: 021 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9826571	A2	19980618	WO 97US22444	A	19971210	199830 B
US 6115742	A	20000905	US 96762024	A	19961211	200044

Priority Applications (No Type Date): US 96762024 A 19961211

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9826571 A2 E 39 H04M-015/00

Designated States (National): CA JP MX

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

US 6115742 A G06F-013/00

Abstract (Basic): WO 9826571 A

The apparatus includes a proxy module that intercepts information between a client and a server. When a client attempts to visit a monitored site, the visit reaches a monitor server. The server routes the request through to the actual site.

When the server receives the response, it attaches a cookie and a metering program to the response. The metering program operates in the client machine to record the extent of the visit. When access to the site finishes the data is returned to a logging system.

ADVANTAGE - Allows frequency and extent of visits to advertising sites to be securely and accurately monitored for rating purposes.

Dwg.1/7

Title Terms: METER; APPARATUS; RECORD; VISIT; WEB; SITE; METER; PROGRAM;  
COOKIE; CLIENT; TRACK; TIME; SITE; VISIT; METER; LOG; SERVE  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-013/00; H04M-015/00  
File Segment: EPI

**7/5/42 (Item 24 from file: 350)**

DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011764491 \*\*Image available\*\*

WPI Acc No: 1998-181401/199817

XRPX Acc No: N98-143586

**Implementing and searching content addressable memory for ATM switch - concurrently searching for control data by reading 1st and 2nd field from header and comparing in parallel 1st field and 1st tag, 2nd field and 2nd tag, and 2nd field with predetermined vector**

Patent Assignee: MOTOROLA INC (MOTI )

Inventor: FRANKLIN M; JONES K W; LOSCHKE J A; PARKS C M

Number of Countries: 021 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 833257	A2	19980401	EP 97114361	A	19970820	199817 B
JP 10126422	A	19980515	JP 97276556	A	19970924	199830
CA 2213961	A	19980327	CA 2213961	A	19970825	199834
US 5956336	A	19990921	US 96722587	A	19960927	199945

Priority Applications (No Type Date): US 96722587 A 19960927

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 833257 A2 E 18 G06F-017/30

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE

JP 10126422 A 14 H04L-012/28

CA 2213961 A G11C-015/00

US 5956336 A H04L-012/28

Abstract (Basic): EP 833257 A

The content addressable memory (CAM) contains two first memory arrays. The first matches (102) words and the second (103) comprises link words. A reference word is provided to the CAM. The first memory array is binarily searched to find a match word. The match word is equal to the reference word and outputs a link word from the second memory array corresponding to the match word.

Control information is concurrently searched for by reading a first and second field from a header and comparing (105) in parallel the first field and the first tag, the second field and second tag, and the second field with a predetermined vector.

USE - Digital electronic devices and to devices used to manage header information in switching network.

Dwg.1/11

Title Terms: IMPLEMENT; SEARCH; CONTENT; ADDRESS; MEMORY; ATM; SWITCH;  
CONCURRENT; SEARCH; CONTROL; DATA; READ; FIELD; HEADER; COMPARE; PARALLEL  
; FIELD; TAG; FIELD; TAG; FIELD; PREDETERMINED; VECTOR

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30; G11C-015/00; H04L-012/28

International Patent Class (Additional): G11C-015/04; H04L-012/56;  
H04L-029/02

File Segment: EPI

7/5/43 (Item 25 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

011001309 \*\*Image available\*\*

WPI Acc No: 1996-498258/199650

XRPX Acc No: N96-420251

Secure encryption of plain text data block into cipher text data block -  
has compatibility switch for toggling between compatibility with less  
secure encryption standard and key-based secure encryption

Patent Assignee: NOKIA MOBILE PHONES LTD (OYNO )

Inventor: ALANAERAE S; BERSON T

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2168717	A	19960823	CA 2168717	A	19960202	199650 B
US 5594797	A	19970114	US 95394537	A	19950222	199709
CN 1136738	A	19961127	CN 96103543	A	19960216	199805
BR 9600772	A	19971223	BR 96772	A	19960216	199806
MX 9600625	A1	19970801	MX 96625	A	19960216	199829 N
MX 195216	B	20000204	MX 96625	A	19960216	200118

Priority Applications (No Type Date): US 95394537 A 19950222; MX 96625 A  
19960216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2168717	A		29	H03M-011/20	
US 5594797	A		15	H04L-009/00	
CN 1136738	A			H04K-001/02	
BR 9600772	A			H04K-001/00	
MX 9600625	A1			G09C-001/00	
MX 195216	B			H04L-009/000	

Abstract (Basic): CA 2168717 A

The method involves converting the plain text data block into an intermediate data block according to a first encryption process which uses a first key signal. The state of compatibility switch is determined as being in a compatible or secure state. The first intermediate block is converted into a second intermediate block using a second key signal when the switch is in the secure state, and a compatibility value as its key when the switch is in the compatible state.

The second encryption process is an involuntary transformation of its data input. The second intermediate data block is converted into the cipher text data block according to an encryption process which is an inverse transformation of the first encryption process using the first key signal.

USE - For digital cellular telephone with switch for choosing compatibility security and higher security.

Dwg.1/6

Title Terms: SECURE; ENCRYPTION; PLAIN; TEXT; DATA; BLOCK; CIPHER; TEXT;  
DATA; BLOCK; COMPATIBLE; SWITCH; COMPATIBLE; LESS; SECURE; ENCRYPTION;  
STANDARD; KEY; BASED; SECURE; ENCRYPTION

Derwent Class: U21; W01

International Patent Class (Main): G09C-001/00; H03M-011/20; H04K-001/00;  
H04K-001/02; H04L-009/00; H04L-009/000

File Segment: EPI

7/5/44 (Item 26 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010926342  
WPI Acc No: 1996-423293/199642  
**Data processing system - NoAbstract**  
Patent Assignee: ROMNEY HOLDINGS LTD (ROMN-N)  
Inventor: FRANKLIN M; MAHER J  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
LU 88685	A	19960429	LU 88685	A	19951206	199642 B

Priority Applications (No Type Date): LU 88685 A 19951206

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
LU 88685 A 1 G06F-017/30

Title Terms: DATA; PROCESS; SYSTEM; NOABSTRACT

Derwent Class: T01

International Patent Class (Main): G06F-017/30

File Segment: EPI

7/5/45 (Item 27 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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007797171 \*\*Image available\*\*  
WPI Acc No: 1989-062283/198909

XRPX Acc No: N89-047534

**Coin validity checking appts. - has coin-arrival-sensing mode leading to production of power-up signal for coin-checking mode**

Patent Assignee: MARS INC (MRSC )

Inventor: DEAN R; HUTCHINSON D; REYNER P J

Number of Countries: 011 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 304535	A	19890301	EP 82101823	A	19820211	198909 B
EP 304535	B	19910911				199137

Priority Applications (No Type Date): EP 88101823 A 19870825; GB 814175 A 19810211

Cited Patents: A3...8921; DE 2825770; EP 8501; GB 2045500; No-SR.Pub; US 3599771; US 3738469; US 3918565; EP 501

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
EP 304535 A E 35

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 304535 B

Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): EP 304535 A

Each coin rolls under gravity past two inductive sensors in self-excited HF oscillatory circuits (300,301) and a third sensor in a circuit oscillating at a lower frequency (pref. about 120 kHz). In the standby condition of the appts., only one HF circuit (300) is energised from an external source (304).

The power level in this mode is sufficient for sensing the arrival of the coin and producing a signal detectable by a large-scale integrated circuit (316). This responds by generating a power-up signal for the other two oscillators (301,302) and processing the three signals to ascertain whether the coin is acceptable.

USE/ADVANTAGE - Pay telephones or other battery operated equipment such as cigarette vending machines and parking meters. Identically sized coins of different compsn. are distinguishable by appts. working at only one frequency and with relatively low average power consumption.

3/14

Title Terms: COIN; VALID; CHECK; APPARATUS; COIN; ARRIVE; SENSE; MODE; LEADING; PRODUCE; POWER; UP; SIGNAL; COIN; CHECK; MODE

Derwent Class: T05; W01

International Patent Class (Additional): G06F-001/00; G07D-005/08; G07F-003/02

File Segment: EPI

**7/5/46 (Item 28 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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004295676

WPI Acc No: 1985-122554/198520

XRPX Acc No: N85-092140

Coin validator and denomination checker - has inductive circuits controlled by microprocessor providing data to check if coin is genuine

Patent Assignee: MARS INC (MRSC ); SHOUKSMITH E (SHOU-I)

Inventor: DEAN R; ROBERTS M J; SHOUKSMITH E; ROBERTS M

Number of Countries: 013 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8502047	A	19850509	WO 84GB381	A	19841105	198520	B
EP 146251	A	19850626	EP 84307619	A	19841105	198526	
GB 2151062	A	19850710	GB 8427935	A	19841105	198528	
GB 2151062	B	19880629				198826	
EP 308996	A	19890329	EP 88117267	A	19841102	198913	
EP 308997	A	19890329	EP 88117268	A	19841105	198913	
EP 146251	B1	19920812	EP 84307619	A	19841105	199233	
DE 3485866	G	19920917	DE 3485866	A	19841105	199239	
			EP 84307619	A	19841105		
EP 308997	B1	19930922	EP 84307619	A	19841105	199338	
			EP 88117268	A	19841105		
DE 3486213	G	19931028	DE 3486213	A	19841105	199344	
			EP 88117268	A	19841105		

Priority Applications (No Type Date): GB 845721 A 19840305; GB 8329533 A 19831104

Cited Patents: EP 58094; EP 62411; EP 86648; FR 2212589; GB 2045500; US 3797628; US 3901368; US 3952851; US 4108296; US 4124111; US 4381552; A3...8920; EP 59511; FR 1465636; No-SR.Pub; US 3498437; US 3682286

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8502047	A	E	57		

Designated States (National): JP US

EP 146251	A	E
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 308996	A	E
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 308997 A E  
 Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE  
 EP 146251 B1 E 20 G07F-003/02  
 Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE  
 DE 3485866 G G07F-003/02 Based on patent EP 146251  
 EP 308997 B1 E 15 G07F-003/02  
 Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE  
 DE 3486213 G G07F-003/02 Based on patent EP 308997

**Abstract (Basic):** WO 8502047 A

A coin arrival sensor (6), including a printed circuit inductance (10) situated at the side of a coin passageway (7), produces a frequency that varies in response to a coin (9) coming into proximity to the inductance. A main microprocessor periodically checks the output of the sensor and if arrival is confirmed a material/thickness sensor is powered-up. The frequency and amplitude of the latter's output is indicative of the denomination of a genuine coin only.

The amplitude profile determines when to measure frequency and for selection of successive measurements to be combined to give an average amplitude value. A signal is produced to indicate that a coin is not acceptable if it has travelled too fast through the sensing station. A test mode allows the sensors to be adjusted to give optimum operation when a particular coin is inserted.

**USE/ADVANTAGE -** E.g. for pay telephones. Sensors have low power consumption.

1/6

**Title Terms:** COIN; VALID; DENOMINATION; CHECK; INDUCTIVE; CIRCUIT; CONTROL; MICROPROCESSOR; DATA; CHECK; COIN; GENUINE

**Index Terms/Additional Words:** PAY; TELEPHONE

**Derwent Class:** T01; T05; W01

**International Patent Class (Main):** G07F-003/02

**International Patent Class (Additional):** G06F-001/00; G07D-005/08

**File Segment:** EPI

**7/5/47 (Item 29 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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003353329

WPI Acc No: 1982-L1351E/198234

**Coin validity checking appts. - has coin sensor arranged to initiate application of electrical power to apparatus when coin is sensed**

Patent Assignee: MARS INC (MRSC ); DEAN R (DEAN-I)

Inventor: DEAN R; HUTCHINSON D; REYNER P J

Number of Countries: 016 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 58094	A	19820818				198234 B
WO 8202786	A	19820819				198234
GB 2093620	A	19820801	GB 814175	A	19810211	198235
JP 58500263	W	19830217				198313
DK 8204491	A	19830509				198325
GB 2094008	B	19850213	GB 8420613	A	19840814	198507
GB 2143663	A	19850213	GB 8420150	A	19840808	198507
GB 2143982	A	19850220	GB 8137250	A	19811210	198508
CA 1190299	A	19850709				198532
GB 2093620	B	19850904				198536
GB 2143663	B	19850911				198537
GB 2143982	B	19850911				198537

US 4601380	A	19860722	US 82425072	A	19820910	198632
DE 3280357	G	19911017				199143
EP 58094	B1	19920513	EP 82300693	A	19820211	199220
DE 3280401	G	19920617	DE 3280401	A	19820211	199226
			EP 82300693	A	19820211	

Priority Applications (No Type Date): GB 8137250 A 19811210; GB 814175 A 19810211; GB 8420613 A 19840814; GB 8420150 A 19840808

Cited Patents: DE 2825770; US 3599771; US 3738469; WO 8000505; GB 1483192; GB 2045500; US 3918565

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 58094	A	E			
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Designated States (National): AU DK JP US

WO 8202786	A	E			
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

EP 58094	B1	E	39	G07F-003/02	
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

DE 3280401	G		G07F-003/02	Based on patent EP 58094	
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Abstract (Basic): EP 58094 A

The appts. is for checking the validity of coins and includes a coin pathway and at least one sensor for interacting with a coin on the pathway to provide an information signal. One of the sensors provides an information signal in response to at least the great majority of coin types, a circuit determines whether the information signals are indicative of an acceptable coin, and a detector is operable by the occurrence of the information signal from the said one sensor to initiate the application of electrical power adequate for the coin checking operation. The detector is adapted to so operate irrespective of whether or not the information signal from the one sensor is indicative of an acceptable coin. This system can be used for pay telephones.

Title Terms: COIN; VALID; CHECK; APPARATUS; COIN; SENSE; ARRANGE; INITIATE; APPLY; ELECTRIC; POWER; APPARATUS; COIN; SENSE

Derwent Class: Q64; T05; W01

International Patent Class (Main): G07F-003/02

International Patent Class (Additional): G06F-001/00; G07D-005/08; G08B-021/00

File Segment: EPI; EngPI

?

Set	Items	Description
S1	43	(ENCRYPTION OR CRYPTOGRAPHIC) () SERVICE?
S2	2200152	PRICE OR PRICING OR COST? OR CHARG? OR AMOUNT OR QUOTATION
S3	1117	(COMPUTATION? OR CALCULATION? OR FIGURING OR RECKONING) (2N- )(BURDEN? OR CHARGE? OR COMMITMENT? OR DUTY OR OBLIGATION OR - RESPONSIBILITY)
S4	89	(PRIVACY OR CONFIDENTIALITY) (2N) (LEVEL OR STATUS OR STANDI- NG OR IMPORTANT? OR SCORE? OR RANK?)
S5	4451568	SPEED OR TIME OR TIMING OR PERIOD? OR INTERVAL OR CLOCK OR SPACING OR FREQUENCY OR DURATION
S6	3	S1 AND S2
S7	0	S1 AND S3
S8	0	S1 AND S4
S9	6	S1 AND S5
S10	0	S6 AND S5
S11	9	S6 OR S9
S12	7	S11 AND IC=(G06F? OR H04L?)
S13	1	S1 AND (PRICE OR PRICING OR COST?)

File 347:JAPIO Oct 1976-2003/Aug(Updated 031202)

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200381

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T S12/5/3-7

12/5/3 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014561226 \*\*Image available\*\*  
WPI Acc No: 2002-381929/200241  
XRPX Acc No: N02-298909

Multiple application loading and management method for smart card,  
involves unlocking card using routine obtained from application provider  
for loading applications

Patent Assignee: FISHER D L (FISH-I)

Inventor: FISHER D L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020040438	A1	20020404	US 2000202034	P	20000505	200241 B
			US 2001845125	A	20010430	

Priority Applications (No Type Date): US 2000202034 P 20000505; US  
2001845125 A 20010430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020040438	A1	7		G06F-012/14	Provisional application US 2000202034

Abstract (Basic): US 20020040438 A1

NOVELTY - A previously unreleased one time only key value is provided to a prequalified application provider by a card issuer. A routine that acts upon the cards is prepared by the application provider. Application files are loaded in the card, by unlocking the card using the routine to obtain key value, without using cryptographic services or a virtual machine such as Java.

USE - For loading applications onto smart card used in financial applications such as cash replacement, credit/debit, gift certificate, vending, customer applications such as electronic coupon, value points, physical or logical security applications, health and transportation applications.

ADVANTAGE - Enables efficient loading and managing of multiple applications on the smart card without affecting existing applications.

DESCRIPTION OF DRAWING(S) - The figure shows the file structure of the card.

pp: 7 DwgNo 2/3

Title Terms: MULTIPLE; APPLY; LOAD; MANAGEMENT; METHOD; SMART; CARD; UNLOCK ; CARD; ROUTINE; OBTAIN; APPLY; LOAD; APPLY

Derwent Class: T01; T04; T05; W01

International Patent Class (Main): G06F-012/14

International Patent Class (Additional): G06F-009/04

File Segment: EPI

12/5/4 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013972922 \*\*Image available\*\*  
WPI Acc No: 2001-457135/200149  
XRPX Acc No: N01-338823

Cryptographic system for computer network, forwards the cryptographic

service data from application terminals to specific operating systems through separate interface

Patent Assignee: UNISYS CORP (BURS )

Inventor: CLAYTON K F; DEAN D A; KAIN M T; MILLIGAN A D; SALAMON G

Number of Countries: 023 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200135194	A2	20010517	WO 2000US30592	A	20001107	200149 B
AU 200114711	A	20010606	AU 200114711	A	20001107	200152
EP 1230777	A2	20020814	EP 2000977017	A	20001107	200261
			WO 2000US30592	A	20001107	
JP 2003514414	W	20030415	WO 2000US30592	A	20001107	200328
			JP 2001536662	A	20001107	

Priority Applications (No Type Date): US 2000521371 A 20000308; US 99164673

P 19991110

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200135194 A2 E 36 G06F-001/00

Designated States (National): AU BR JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

AU 200114711 A G06F-001/00 Based on patent WO 200135194

EP 1230777 A2 E H04L-029/06 Based on patent WO 200135194

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

JP 2003514414 W 51 H04L-009/14 Based on patent WO 200135194

Abstract (Basic): WO 200135194 A2

NOVELTY - The operating systems (210,220,230,240) are connected through communication interface (124), such that primary system transfers and receives information to and from other operating systems. Operating system (210) is operated in accordance with operating system (220), such that **cryptographic service** data from application terminals (203,205) is forwarded to system (210) through separate interface (207).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **cryptographic service** providing method.

USE - For providing **cryptographic services** in computing network e.g. internet used for commercial transaction, on-line shopping and other communication services.

ADVANTAGE - Since operating systems are monitored **periodically** during **cryptographic service**, the request is redistributed to alternative operating system during failure generation, thereby ensures effective failure protection.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram illustrating the cooperation of various operating systems along with cryptographic system.

Interfaces (124,207)

Application terminals (203,205)

Operating systems (210,220,230,240)

pp; 36 DwgNo 2/6

Title Terms: CRYPTOGRAPHIC; SYSTEM; COMPUTER; NETWORK; FORWARD; CRYPTOGRAPHIC; SERVICE; DATA; APPLY; TERMINAL; SPECIFIC; OPERATE; SYSTEM; THROUGH; SEPARATE; INTERFACE

Derwent Class: P85; T01; W01

International Patent Class (Main): G06F-001/00 ; H04L-009/14 ;

H04L-029/06

International Patent Class (Additional): G06F-015/00 ; G09C-001/00

File Segment: EPI; EngPI

12/5/5 (Item 4 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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013870609 \*\*Image available\*\*  
 WPI Acc No: 2001-354821/200137  
 Related WPI Acc No: 2001-354820; 2001-367188; 2001-397516; 2001-535950  
 XRPX Acc No: N01-257844

**Authenticated transaction of implantation method for use in electronic commerce, involves comparing enrollment and current authentication data and transaction identifiers of user to generate an authentication result**

Patent Assignee: ETHENTICA INC (ETHE-N)

Inventor: BERGER B; BROOKS A A; CLAYTON R F; CLOUGH P W; DAVENPORT R S; DICKINSON A G; DOBSON R T; FERRANTE M; OHARE M S; ORSINI R L; ROHRBACH M D; STARK G H; ZOCCOLI J G

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200122322	A2	20010329	WO 2000US25814	A	20000920	200137 B
AU 200075962	A	20010424	AU 200075962	A	20000920	200141
EP 1218841	A2	20020703	EP 2000965213	A	20000920	200251
			WO 2000US25814	A	20000920	

Priority Applications (No Type Date): US 2000200396 P 20000427; US 99154734 P 19990920

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200122322 A2 E 88 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200075962 A G06F-017/60 Based on patent WO 200122322

EP 1218841 A2 E G06F-017/60 Based on patent WO 200122322

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200122322 A2

NOVELTY - The current authentication data and transaction identifier (TID) which is received from a user and forwarded to authentication engine, is compared with enrollment authentication data and TID of the user. The comparison is performed to generate an authentication result.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Cryptographic transaction implementing method;
- (b) Cryptographic system;
- (c) Cryptographic function facilitating method;
- (d) Authentication process speed increasing method;
- (e) Authentication transaction conducting method;
- (f) Electronic transaction authenticating system;
- (g) Cryptographic function providing apparatus;
- (h) Security function performing method;
- (i) Cryptographic service providing method;
- (j) Authentication function performing method;
- (k) Cryptographic application programming interface interconnecting

method;  
 (1) Security function performing apparatus  
 USE - For providing security to transaction in electronic commerce.

ADVANTAGE - A level of trust is generated for the authentication data associated with the authenticated transaction and a response is provided for use in the transaction.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of cryptographic system.

pp; 88 DwgNo 1/20

Title Terms: AUTHENTICITY; TRANSACTION; IMPLANT; METHOD; ELECTRONIC; COMPARE; CURRENT; AUTHENTICITY; DATA; TRANSACTION; IDENTIFY; USER; GENERATE; AUTHENTICITY; RESULT

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

**12/5/6 (Item 5 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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012457298 \*\*Image available\*\*

WPI Acc No: 1999-263406/199922

XRPX Acc No: N99-196197

**Cryptographic coprocessor used in secure communication platform on an integrated circuit**

Patent Assignee: INFORMATION RESOURCE ENG INC (INFO-N); SAFENET INC (SAFE-N); OBER T (OBER-I); REED P (REED-I)

Inventor: DOUD R W; KAPLAN M M; KAVSAN B; OBER T; REED P

Number of Countries: 083 Number of Patents: 015

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9914881	A2	19990325	WO 98US19316	A	19980916	199922 B
AU 9910609	A	19990405	AU 9910609	A	19980916	199933
EP 1013026	A2	20000628	EP 98953170	A	19980916	200035
			WO 98US19316	A	19980916	
US 6278782	B1	20010821	US 9759082	P	19970916	200150
			US 9759845	P	19970916	
			US 98154120	A	19980916	
US 6282657	B1	20010828	US 9759082	P	19970916	200151
			US 9759843	P	19970916	
			US 98154357	A	19980916	
US 6307936	B1	20011023	US 9759082	P	19970916	200165
			US 9759839	P	19970916	
			US 98154133	A	19980916	
US 20010036276	A1	20011101	US 9759082	P	19970916	200168
			US 9759845	P	19970916	
			US 98154120	A	19980916	
			US 2001897251	A	20010702	
US 20010056540	A1	20011227	US 9759082	P	19970916	200206
			US 9759840	P	19970916	
			US 98154300	A	19980916	
US 20020051538	A1	20020502	US 9759082	P	19970916	200234
			US 9759843	P	19970916	
			US 98154357	A	19980916	
			US 2001897670	A	20010702	
US 6397331	B1	20020528	US 9759082	P	19970916	200243
			US 9759841	P	19970916	
			US 98154323	A	19980916	

US 20020080958	A1	20020627	US 9759082	P	19970916	200245
			US 9759839	P	19970916	
			US 98154133	A	19980916	
			US 2001897666	A	20010702	
US 6412069	B1	20020625	US 9759082	P	19970916	200246
			US 9759847	P	19970916	
			US 98154129	A	19980916	
US 6453415	B1	20020917	US 9759082	P	19970916	200264
			US 9759840	P	19970916	
			US 98154228	A	19980916	
US 6631472	B2	20031007	US 9759082	P	19970916	200374
			US 9759843	P	19970916	
			US 98154357	A	19980916	
			US 2001897670	A	20010702	
US 6654465	B2	20031125	US 9759082	P	19970916	200378
			US 9759845	P	19970916	
			US 98154120	A	19980916	
			US 2001897251	A	20010702	

Priority Applications (No Type Date): US 9759847 P 19970916; US 9759082 P 19970916; US 9759839 P 19970916; US 9759840 P 19970916; US 9759841 P 19970916; US 9759842 P 19970916; US 9759843 P 19970916; US 9759844 P 19970916; US 9759845 P 19970916; US 9759846 P 19970916; US 98154120 A 19980916; US 98154357 A 19980916; US 98154133 A 19980916; US 2001897251 A 20010702; US 98154300 A 19980916; US 2001897670 A 20010702; US 98154323 A 19980916; US 2001897666 A 20010702; US 98154129 A 19980916; US 98154228 A 19980916

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9914881	A2	E	401	H04L-000/00	
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Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9910609	A	Based on patent WO 9914881
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EP 1013026	A2	E	H04L-001/00	Based on patent WO 9914881
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Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

US 6278782	B1	H04L-009/32	Provisional application US 9759082
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Provisional application US 9759845

US 6282657	B1	G06F-013/00	Provisional application US 9759082
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Provisional application US 9759843

US 6307936	B1	H04L-009/00	Provisional application US 9759082
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Provisional application US 9759839

US 20010036276	A1	H04L-009/00	Provisional application US 9759082
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Provisional application US 9759845

Cont of application US 98154120

Cont of patent US 6278782

US 20010056540	A1	G06F-012/14	Provisional application US 9759082
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Provisional application US 9759840

US 20020051538	A1	H04L-001/00	Provisional application US 9759082
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Provisional application US 9759843

Cont of application US 98154357

US 6397331	B1	H04L-009/00	Provisional application US 9759082
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Provisional application US 9759841

US 20020080958 A1	H04L-009/00	Provisional application US 9759082 Provisional application US 9759839 Cont of application US 98154133
US 6412069 B1	H04L-009/00	Provisional application US 9759082 Provisional application US 9759847
US 6453415 B1	H04L-009/00	Provisional application US 9759082 Provisional application US 9759840
US 6631472 B2	G06F-013/00	Provisional application US 9759082 Provisional application US 9759843 Cont of application US 98154357 Cont of patent US 6282657
US 6654465 B2	H04L-009/32	Provisional application US 9759082 Provisional application US 9759845 Cont of application US 98154120 Cont of patent US 6278782

**Abstract (Basic): WO 9914881 A2**

**NOVELTY** - The coprocessor includes a processing unit for processing data. A read only memory is electronically linked to the processing unit and includes a masked programmed cryptographic library of encryption algorithms. An encryption processor is provided for encrypting data. The encryption processor and the processing unit are situated on the same platform.

**DETAILED DESCRIPTION** - The encryption circuit (36), random number generator circuit (38), public key accelerator circuit (28), registers (34), hash circuit (30), mode control circuit (24) and other circuits used in the coprocessor may be implemented by discrete components or may be equivalently formed as part of the DSP (20), which may be programmed to provide the functions of these circuits.

INDEPENDENT CLAIMS are included for:

- (a) a **cryptographic service** software embodied in at least one of a hard disk, floppy disk and a ROM
- (b) a method of securely communicating between application program and secure kernel of integrated circuit
- (c) a hardware secure memory area
- (d) a method of expanding a protected memory area of a secure kernel into an unprotected memory area of an integrated circuit
- (e) a method of reconfiguring the functionality of an integrated circuit
- (f) a method of generating a recovery key encryption key
- (g) a method of monitoring and controlling program fetch addresses from a processor to control access to protected memory

**USE** - The invention relates generally to a secure communication platform on an integrated circuit, and more particularly relates to a digital signal processor (DSP) with embedded encryption security features on a single integrated circuit for high **speed** networking products such as routers, switches and hubs.

**ADVANTAGE** - The object of the present invention is to provide a secure communications platform that can implement a user's application and dedicate cryptographic resources to encryption and decryption requests on demand. The invention also provides an increase in encryption security through hardware implementations

**DESCRIPTION OF DRAWING(S)** - The drawing is a block diagram of the cryptographic coprocessor.

encryption circuit (36)  
random number generator circuit (38)  
public key accelerator circuit (28)  
registers (34)  
hash circuit (30)

mode control circuit (24)  
DSP (20)  
pp; 401 DwgNo 1/50  
Title Terms: CRYPTOGRAPHIC; SECURE; COMMUNICATE; PLATFORM; INTEGRATE;  
CIRCUIT  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-012/14 ; G06F-013/00 ;  
H04L-000/00 ; H04L-001/00 ; H04L-009/00 ; H04L-009/32  
File Segment: EPI

12/5/7 (Item 6 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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009394225 \*\*Image available\*\*

WPI Acc No: 1993-087692/199311

XRPX Acc No: N93-067116

**Cryptographic facility for data processing system - uses object-oriented techniques to define hierarchical structure representing cryptographic services**

Patent Assignee: INT COMPUTERS LTD (INCM )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2259590	A	19930317	GB 9217274	A	19920814	199311 B

Priority Applications (No Type Date): GB 9119700 A 19910914

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2259590	A	19	G06F-009/44	

Abstract (Basic): GB 2259590 A

The cryptographic facility for a data processing system, includes device which defines a hierarchical structure of object classes defining **cryptographic services**, wherein each class can inherit functions and data from a base class in the hierarchy. A forming device creates an instance of an object class, defining an additional or new **cryptographic service**, and automatically registers that instance with a list of services supported by the system.

A removal device destroys an instance of an object class, defining a **cryptographic service**, and automatically de-registers that instance with the list of services supported by the system. An access device accesses the functions of an instance of an object class, through a base class of the object class in the object class hierarchy.

**ADVANTAGE** - Simplifies introduction of new object to system, and minimises amount of re-compilation in providing algorithm code and associated reference.

Dwg.5,6/6

Title Terms: CRYPTOGRAPHIC; FACILITY; DATA; PROCESS; SYSTEM; OBJECT; ORIENT ; TECHNIQUE; DEFINE; HIERARCHY; STRUCTURE; REPRESENT; CRYPTOGRAPHIC; SERVICE

Index Terms/Additional Words: DATA; ENCRYPTION; KEY; GENERATION

Derwent Class: T01

International Patent Class (Main): G06F-009/44

File Segment: EPI

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T S13/5

13/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014786862 \*\*Image available\*\*  
WPI Acc No: 2002-607568/200265  
XRPX Acc No: N02-481149

Cryptographic operation execution method in data processing system, involves selecting software and hardware process based on policy which process results in available resources to perform cryptographic operation

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: LEUNG L Y; NADALIN A J; RICH B A; SHRADER T J L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020078348	A1	20020620	US 2000738243	A	20001215	200265 B

Priority Applications (No Type Date): US 2000738243 A 20001215

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020078348	A1	13		H04L-009/00	

Abstract (Basic): US 20020078348 A1

NOVELTY - Software and hardware processes are selected for performing a cryptographic operation based on a policy. The policy processes the results in available resources to perform the cryptographic operation and to form a selected process. The cryptographic operation is performed using the selected process.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Data processing system; and
- (2) Computer program product comprising instructions for cryptographic operation execution.

USE - In data processing system (claimed) such as notebook computer, handheld computer, personal digital assistant.

ADVANTAGE - The ability to configure the usage of different forms of implementation greatly, increases the performance and reduces the cost of cryptographic services . Less restricted operations are done by cheaper but faster software while sensitive operation are carried out by secure hardware. Implementation of both hardware and software provides flexible unit for user to determine the usage of each kind of service.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of the cryptographic execution method.

pp; 13 DwgNo 5/6

Title Terms: CRYPTOGRAPHIC; OPERATE; EXECUTE; METHOD; DATA; PROCESS; SYSTEM ; SELECT; SOFTWARE; HARDWARE; PROCESS; BASED; PROCESS; RESULT; AVAILABLE; RESOURCE; PERFORMANCE; CRYPTOGRAPHIC; OPERATE

Derwent Class: T01; W01

International Patent Class (Main): H04L-009/00

File Segment: EPI

?

Set	Items	Description
S1	340	(ENCRYPTION OR CRYPTOGRAPHIC) () SERVICE?
S2	990535	PRICE OR PRICING OR COST? OR CHARG? OR AMOUNT OR QUOTATION
S3	1655	(COMPUTATION? OR CALCULATION? OR FIGURING OR RECKONING) (2N- ) (BURDEN? OR CHARGE? OR COMMITMENT? OR DUTY OR OBLIGATION OR - RESPONSIBILITY)
S4	424	, (PRIVACY OR CONFIDENTIALITY) (2N) (LEVEL OR STATUS OR STANDI- NG OR IMPORTANT? OR SCORE? OR RANK?)
S5	1178816	SPEED OR TIME OR TIMING OR PERIOD? OR INTERVAL OR CLOCK OR SPACING OR FREQUENCY OR DURATION
S6	42	S1 (S) S2
S7	0	S1 (S) S3
S8	6	S1 (S) S4
S9	64	S1 (S) S5
S10	24	S6 (S) S9
S11	29	S8 OR S10
S12	27	S11 AND IC=(G06F? OR H04L?)
S13	2	S11 NOT S12

File 348:EUROPEAN PATENTS 1978-2003/Dec W02  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031218,UT=20031211  
(c) 2003 WIPO/Univentio

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T S12/5, K/3-4, 8-27

12/5, K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01330100

DATA AUTHENTICATION SYSTEM  
DATEN-IDENTIFIZIERUNGS-SYSTEM  
SYSTEME D'AUTHENTIFICATION DE DONNEES

PATENT ASSIGNEE:

Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku,  
Tokyo 141-0001, (JP), (Applicant designated States: all)

INVENTOR:

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ISHIBASHI, Yoshihito, Sony Corporation, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo 141-0001, (JP)  
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Shinagawa-ku, Tokyo 141-0001, (JP)  
AKISHITA, Toru, Sony Corporation, 7-35, Kitashinagawa 6-chome,  
Shinagawa-ku, Tokyo 141-0001, (JP)

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Fetter Lane, London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 1195734 A1 020410 (Basic)  
WO 200154099 010726

APPLICATION (CC, No, Date): EP 2001901463 010119; WO 2001JP346 010119

PRIORITY (CC, No, Date): JP 200013322 000121; JP 200015551 000125; JP  
200015858 000125; JP 200016029 000125; JP 200016213 000125; JP  
200016251 000125; JP 200016292 000125

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

RELATED DIVISIONAL NUMBER(S) - PN (AN):

(EP 2002078475)

INTERNATIONAL PATENT CLASS: G09C-001/00; H04L-009/32

ABSTRACT EP 1195734 A1

A data processing apparatus a data processing method efficiently ascertain that data are valid, prevent encryption processing key data from leaking, eliminate illegal use of contents data, restrict contents utilization, apply a different plurality of data formats to contents and efficiently execute reproduction processing of compressed data. The verification process of partial data is executed by collating the integrity partial data as check values for a combination of partial data of a content, and the verification process of the entirety of the combination of partial data is executed by collating partial-integrity-check-value-verifying integrity check values that verify the combination of the partial integrity check values. Master keys to generate individual keys necessary for a process of such as data encryption are stored in the storage section and keys are generated as required. An illegal device list is stored in the header information of a content and referred to when data is used. Keys specific to a data processing apparatus and common keys are stored and the keys are selectively used according to the content use restriction. Plural content blocks are coupled, and at least a part of the content blocks is applied to an encryption process by an encryption key Kcon, then encryption key data that is the encryption key Kcon encrypted by an encryption key Kdis is stored in the header section. A content data is made of compression

data and an expansion processing program or a combination of types of compression programs and the reproducing apparatus can determine an expansion program applicable to a compressed content.

ABSTRACT WORD COUNT: 258

NOTE:

Figure number on first page: 28

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010919 A1 International application. (Art. 158(1))  
Application: 010919 A1 International application entering European phase  
Application: 020410 A1 Published application with search report  
Examination: 020410 A1 Date of request for examination: 20011026  
Change: 021016 A1 Application number of divisional application  
(Article 76) changed: 20020829

LANGUAGE (Publication, Procedural, Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200215	13797
SPEC A	(English)	200215	73409
Total word count - document A			87206
Total word count - document B			0
Total word count - documents A + B			87206

...INTERNATIONAL PATENT CLASS: H04L-009/32

...SPECIFICATION from which data is transferred, the key generating step is an authentication key generating step of executing **encryption** processing based on an authentication key generation master key MKake for generating an authentication key Kake of...the expansion processing program from header information included in the received content data and, at the same time , if the content data has the compressed contents, obtaining a type of a compressing processing program applied...the expansion processing program from header information included in the received content data and, at the same time , if the content data has the compressed contents, obtaining a type of a compressing processing program applied...different types of data formats such as formats corresponding to game programs and formats suitable for real- time processing of music data or the like can be used for the present system. The aspects of the time of starting the use.

The integrity check value A ICVa is used to verify that the content... intensity compared to the Single DES. The Tripled DES configuration, however, has the disadvantage of requiring an amount of processing time three times as large as that for the Single DES.

Fig. 10 shows an example of a...a desired program. This configuration eliminates the need for the user to retrieve programs to save the amount of time and labor required for the activation. Additionally, the programs that can be activated are activated after all...

12/5,K/4 (Item 4 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01276898

CONTENTS MANAGEMENT SYSTEM, DEVICE, METHOD, AND PROGRAM STORAGE MEDIUM  
INHALTSVERWALTUNGSSYSTEM, VORRICHTUNG, VERFAHREN UND PROGRAMMSPEICHERMEDIUM  
SYSTEME, DISPOSITIF, PROCEDE ET SUPPORT DE PROGRAMME POUR LA GESTION DE  
CONTENUS

PATENT ASSIGNEE:

Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku,  
Tokyo 141-0001, (JP), (Applicant designated States: all)

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Shinagawa-ku, Tokyo 141-0001, (JP)

## LEGAL REPRESENTATIVE:

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Lane, London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 1128598 A1 010829 (Basic)  
WO 200119017 010315

APPLICATION (CC, No, Date): EP 2000956997 000907; WO 2000JP6089 000907

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#### ABSTRACT EP 1128598 A1

An information receiving apparatus receives identification information and encrypted identification information and makes a comparison between them to allow prevention of illegal utilization of contents data. Also, a data storage apparatus can record contents data encrypted by a content key and the content key so that the contents data can be reproduced on other apparatuses to improve versatility. Moreover, a management apparatus can manage the contents data in the data storage apparatus to allow other apparatuses to utilize it. And also, an information regulating apparatus can verify a signature on available data to prevent illegal utilization of the contents data. Furthermore, the data storage apparatus can store the content key, its handling policies, the contents data encrypted by the content key and its license conditions information so as to safely provide the contents data. In addition, an information recording apparatus can select favorite contents data and store it on the data storage apparatus. Furthermore, the information receiving apparatus can prevent utilization of provision-prohibited contents data by a provision prohibition list.

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...SPECIFICATION electronic distribution service center 1.

Figure 2 is a block diagram showing functions of the electronic distribution service center 1. A service provider management section 11 supplies the public key certificate of the service provider...electronic distribution service center 1, and outputs the results to the signature generation section 38. Incidentally, the encryption method is not limited to DES, and a public key encryption method such as RSA (Rivest, Shamir...).

...shown as a common key encryption in this embodiment, either FEAL (Fast Encryption Algorithm), IDEA (International Data Encryption Algorithm), or E2 proposed by NTT (trademark) or AES (Advanced Encryption Standard) that is the next encryption...may be different keys.

In addition, as another example of the public key encryption method, the RSA encryption (Rivest, Shamir, Adleman) is known.

Figure 14 is a block diagram showing a configuration of the service...

electronic distribution service center 1 further compares the handling policy received from the content provider 2, the **price** information and the handling policy, if necessary, received from the service provider 3, and the handling policy and the **price** information received from the user home network 5, and monitors whether or not illegality such as tampering...Figure 29 illustrates the service provider secure container. The service provider secure container 3A is comprised of **price** information and signatures. The signature is data generated by applying the secret key Kssp)) of the service provider 3 to a hash value generated by applying a hash function to **price** information, if necessary.

Figure 30 illustrates another example of the service provider secure container. The service provider secure container 3B includes the content provider secure container, **price** information and signatures. The signature is data generated by applying the secret key Kssp)) of the service...

...a hash value generated by applying a hash function to the content provider secure container and the **price** information.

Figure 31 illustrates the public key certificate of the service provider 3. The public key certificate...handling policy for the single content (Figure 37), a type of the data, a type of the **price** information, an effective **period** of the **price** information, an ID of the contents, an ID of the service provider, an ID of the **price** information, a version of the **price** information, a regional code, usable apparatus conditions, usable user conditions, an ID of the content provider, an ID of the handling policy to which the **price** information is added, the number of rules including the purchasable utilization right indicated by the **price** information, address information indicating the storage position of the rules, the rules stored in the position indicated  
...

...handling policy for the single content (Figure 38), a type of the data, a type of the **price** information, an effective **period** of the **price** information, an ID of the album, an ID of the service provider, an ID of the **price** information, a version of the **price** information, a regional code, usable apparatus conditions, usable user conditions, an ID of the content provider, an ID of the handling policy to which the **price** information is added, the number of pieces of **price** information of single contents forming the album, address information indicating a storage position of the **price** information of the single contents, a data packet of the **price** information of the ...indicated by the address information, the number of rules including the purchasable utilization right indicated by the **price** information, address information indicating the storage position of the rules, the rules stored in the position indicated...

...ratio of the service provider, a price, a data size, and transmission information.

In the above-mentioned **price** information, a type of data indicates that the data is the data of **price** information, and a type of the **price** information indicates which of single or album contents the **price** information is. The effective **period** of the **price** information indicates a usage **period** of the **price** information by a date on which the **period** expires, or by the number of days from a date to be a basis when the use has started to a date when the **period** expires. An ID of the contents and an ID of the album indicates the purchasable single contents or album contents indicated by the **price** information, an ID of the service provider indicates the ID of the service provider 3 that has prepared the **price** information.

In addition, an ID of the **price** information is for identifying the

**price** information, and is used, for example, for identifying the **price** information in the case in which a plurality of pieces of **price** information are set for identical contents. A version of the **price** information indicates revision information of **price** information that is revised according to a use **period**. Therefore, the **price** information is managed by the ID of the **price** information and the version of the **price** information.

A regional code indicates a region where price information is usable by coding the region, and...

...point, and various kinds of information set by the service provider 3, if necessary.

Here, when generating **price** information, the service provider 3 can set all the purchasable utilization right indicated by a corresponding handling policy as a purchasable right indicated by the **price** information, and at the same **time**, can set a utilization right arbitrary selected out of all the purchasable utilization right indicated by the...data of license conditions information, a type of data, a type of license conditions information, an effective **period** of the license conditions information, an ID of contents, an ID of an album, an ID of...

...a handling policy, version of the handling policy, an ID of a service provider, an ID of **price** information, a version of **price** information, an ID of license conditions information, a rule number attached to a reproduction right (utilization right) as a serial number, a utilization right content number, a remaining number of **time** of reproduction, an effective **period** of the reproduction right, a rule number attached to a copying right (utilization right) as a serial...

...utilization right, and uses a rule number of a rule indicated by a corresponding handling policy or **price** information as it is. Utilization right contents indicate contents of a reproduction right to be described later...

...of reproduction among a number of times of reproduction set in advance to contents, and an effective **period** of a reproduction right indicates a corresponding reproduction available **period** of purchased contents by a date and **time** when the **period** expires.

In addition, a rule number of a copying right indicates a serial number attached to a...a content provider and the transmission information set by the content provider, and a data size indicating **price** information used for purchase processing and transmission information are stored as they are in a data size...

...indicates an apparatus of a supplier that has applied purchase processing, and the ID is accumulated every **time** re-purchase of contents is conducted.

Incidentally, in charge information, since a profit amount and a profit...and the registration data encrypted by the temporary key Ktemp)) updates stored registration information, at the same **time**, inspects the registration information, and if registration is made, encrypts the delivery key Kd)) with the temporary...

...updates a delivery key Kd)) stored in the storage module in the encryption processing section, and deletes **charge** information in the storage module. Subsequently, the settlement available apparatus retrieves an object apparatus that it should...additionally registered in the electronic distribution service center 1 by the processing procedures indicated in Figure 60.

Timing for a registered apparatus to conduct update of a registration (update of registered information) will now be...

...on various conditions, and in step S600, the home server 51 determines whether or not a predetermined **period** that is decided in advance has passed since obtaining a delivery key Kd)), registration information or **charge** information by a **clock** (not shown) and a determination section (not shown). If a positive result is obtained here, this means that the predetermined **period** has passed since obtaining a delivery key Kd)), registration information or **charge** information, then, the processing proceeds to step S607, where the home server 51 executes update processing of...

...the other hand, if a negative result is obtained in step S600, this means that a predetermined **period** has not passed since obtaining a delivery key or **charge** information, that is updating conditions of registration information with respect to passage of a **period** has not been met, and then, the processing proceeds to step S601.

In step S601, the home...a registration item corresponding to an apparatus ID in the user registration database, and at the same **time**, updates data. For example, the data is such data as a registration date or a **charge** status (not shown) . Since step S106 is the same as step S84 of Figure 59, its description...

...electronic signature included in the registration information by the signature verification unit 115, and at the same **time**, causes the unit to confirm if an apparatus ID of the home server 51 is registered, and when the verification is successful and it is confirmed that the **charge** processing is completed, the processing proceeds to step S110. In step S110, the home server 51 input...

...encryption/decryption module 96, stores (updates) the delivery key Kd)) in the storage module 92, and deletes **charge** information held in the storage module 92 (this makes settlement completed).

In step S103, if it is...

...error processing is performed.

In this way, the home server 51 updates registration information, at the same **time**, transmits **charge** information to the electronic distribution service center 1, and receives supply of a delivery key Kd)) in...home server 51.

The home server 51 having received the data stores the handling policy and the **price** information, if received, in the mass storage section 68, and at the same **time**, inputs the **charge** information encrypted by the temporary key Ktemp)) and its signature in the encryption processing section 65. The encryption processing section 65 having received the **charge** information encrypted by the temporary key Ktemp)) and its signature verifies the signature for the **charge** information encrypted by the temporary key Ktemp)) by the signature verification unit 115 of the encryption/decryptionmodule...

...its details are omitted. Then, the decryption unit 111 of the encryption/decryption module 96 decrypts the **charge** information encrypted by the temporary key Ktemp)).

In step S124, the home server 51 mutually authenticates with...

...the user management section 18 of the electronic distribution service center 1 updates the user registration database ( **charge** data receipt data and **time**, issued data and **time** of registration information, date and **time** of a delivery key, etc.). In step S130, the user management section 18 of the electronic distribution...delivery key Kd)) in the storage module of the encryption processing section 73, and at the same

**time** , deletes the **charge** information (further, in some case, the **charge** information is not deleted, but is attached a mark indicating it is settled).

In step S121, if...the processing of step S165 and step S166.

As described above, the home server 51 stores the **charge** information in the storage module 92, and at the same **time** , after decrypting the content key Kco)) by the individual key K1)), encrypts the content key Kco)) by the **charge** information in the storage module of the encryption processing section 73 by the similar processing, and at the same **time** , decrypts the content key Kco)) by the individual key K1)), encrypts the content key Kco)) by the...contents.

Figures 76 and 77 illustrate concrete examples of a rule portion of a handling policy and **price** information. In Figure 76, the handling policy is composed of a rule number attached to each utilization...

...as a serial number, a utilization contents number indicating utilization right contents, its parameter, a minimum sales **price** , and a profit ratio of a content provider, in which, for example, five rules are written. Since...

...item, it is seen from Figure 44 that the right is a right without a reproduction right, **time** and number of times limitations. In addition, it is seen that there is no specific description in the item of a parameter. The minimum sales **price** is (Yen)350, and a share of the content provider 2 is 30% of the **price** . Since a rule 2 has a utilization right contents number 2 as the right item, it is seen from Figure 44 that the right is a right with a reproduction right and **time** limitation and without number of times limitation. In addition, it is seen from the item of a parameter that a utilization possible **period** is one hour. The minimum sales **price** is (Yen)100, and the share of the content provider 2 is 30% of the **price** . Since a rule 3 has a utilization right contents number 6 as the right item, it is...

...44 that the right is a right without a reproduction right (without a copy control signal), without **time** limitation and with number of times limitation. In addition, it is seen from the item of a parameter that the utilization possible number of times is one. The minimum sales **price** is (Yen)30, and the share of the content provider 2 is 30% of the **price** .

Since a rule 4 has a utilization right contents number 13 as the right item, it is...

...the item of a parameter that a changeable rule number from #2 (with a reproduction right, with **time** limitation and without number of times limitation) to #1 (without a reproduction right, **time** and number of times limitation) . The minimum **price** is (Yen)200, and the share of the content provider 2 is 20% of the **price** . The minimum sales **price** is presented lower than that of the rule 1 because it is considered that an already purchased...

...service center 1 that performs actual work (since the content provider 2 has no work at the **time** of right contents change).

Since a rule 5 has a utilization right contents number 14 as the...

...that redistribution possible conditions is that an apparatus having the rule number #1 (without a reproduction right, **time** and number of times limitation) purchases and redistribute the rules number #1 (without a reproduction right, **time** and number of times limitation) . The minimum sales **price** is (Yen)250, and the share of the content provider 2 is 20% of the **price** . The minimum sales **price** is lower than that of the rule 1 because it is considered that an apparatus having an...

...center 1 that performs actual work (since the content provider 2 does not have work at the **time** of redistribution).

In Figure 77, the price information is composed of a rule number attached to each...

...as a serial number, a utilization contents number indicating utilization right contents, it parameter, a minimum sales **price**, and a profit ratio of a content provider, the **price** information is composed of a rule number attached to each utilization right as a serial number, a parameter and **price** information, and the license conditions information is composed of a rule number attached to each utilization right...

...server 51 has already purchased a right with a reproduction right with the rule number #2 and **time** limitation, and the rule number #2 is described in the license conditions information indicating right contents, which indicates that remaining utilization possible **time** is thirty minutes, and accumulated two hours of purchase has been performed so far. If it is tried to change the right from with **time** limitation to without **time** limitation now, it is seen from a rule 3 of the handling policy, a rule 3 of the **price** information and the license conditions information that the right can be changed to without a reproduction right, **time** and number of times limitation with (Yen)200, and the license conditions information changes to without a reproduction right, **time** and number of times limitation of the rule number #1 and the utilization right contents number (a...

...described later. In addition, in this example, changing the right contents once after buying a right with **time** limitation is cheaper than directly buying a right without a reproduction right, **time** and number of times limitation. Thus, it is better to put a discount considering accumulated utilization **time**.

Figure 79 is a flow chart illustrating details of processing in which the home server 51 purchases...

...home server 51 displays information whose contents can be redistributed (e.g., a utilization form or a **price** whose contents can be redistributed) using the display means 64, and a user selects redistribution contents conditions using the inputting means 63. Further, this selection processing may be performed at the **time** of starting the redistribution processing in advance. The signal inputted from the inputting means 63 is transmitted...

...processing section 65 of the home server 51. The encryption processing section 65 having received this generates **charge** information and new license conditions information from the handling policy and the **price** information received in step S264, and the license conditions information read out in step S265.

Since step...fixed apparatus 52 displays information whose contents can be redistributed (e.g., a utilization form or a **price** whose contents can be redistributed) using the display means 78, and a user selects redistribution contents conditions using the inputting means 77. Further, this selection processing may be performed at the **time** of starting the redistribution processing in advance. The signal inputted from the inputting means 77 is transmitted...

...processing section 73 of the fixed apparatus 52. The encryption processing section 73 having received this generates **charge** information and new license conditions information from the handling policy, the **price** information and the license conditions information received in

step S286.

In step S290, the encryption processing section...a purchase reservation of contents by performing key conversion of the contents in advance before an effective **period** of a delivery key is expired will be described. In step S451 of reservation purchase processing procedures...

...its detailed description is omitted. However, in the reservation purchase processing, decision of a registration information update **timing** based on a number of purchase and a purchase **price** described in steps S601 and S602 of Figure 61 may not be performed.

In step S452, the...processing.

As described above, the home server 51 completes the purchase processing of contents by storing the **charge** information of the contents that a user selected to purchase in the storage module 92 and, at the same **time** , storing the license conditions information in the external memory 67. In the purchase processing, the signature verification...in Figure 41, its details are omitted.

In step S562, the encryption processing section 73 saves the **charge** information generated in step S561 in the storage module in the encryption processing section 73. In step...

...key encrypted in step S557, the encryption processing section 73 verifies a signature, and at the same **time** , decrypts the signature by the temporary key Ktemp)), and re-encrypts it by the save key Ksave2...in performing purchase processing in the above-mentioned embodiment, the processing is sometimes omitted because it takes **time** . In addition, whether or not verification is sometimes necessary is described in a handling policy or **price** information, and operations are performed in accordance with it.

#### (6) Data format of various kinds of data...

...ID of the encryption processing section in the license conditions information prepared again, and at the same **time** , stores a number of times found by deducting one from the remaining number of times content can...

...of the encryption processing section in the first apparatus as an ID of a supplier in the **charge** information prepared along the purchase processing.

Then, thereafter, if the contents to which the purchase processing is ...the electronic distribution service center 1.

Thus, in the electronic distribution only recording medium 251, for example, **charge** information in the storage module 311 is **periodically** retrieved from the control section 310 in the encryption processing section 301, and if there is uncollected **charge** information in the electronic distribution service center 1, contents can only be reproduced only one from purchase processing until the **charge** information is collected by applying reproduction limitation to corresponding contents, and at the same **time** , managed transfer of the contents is not performed as well.

In this way, in the electronic music...times of reproduction limitation, the contents cannot be reproduced.

In addition, as such a reproduction limitation, a **period** ( **time** ) may be used. That is, by setting **time** during which contents can be reproduced, if **charge** information is uncollected after the set **time** has passed since purchase processing, the contents cannot be reproduced. Further, in the electronic distribution only recording medium 251, limitation contents of the reproduction limitation may be held by associating it with **charge** information in the storage module 311 of the

encryption processing section 301, or may be held by...

...in the external memory 303. In addition, by storing reproduction limitation (the number of times or a **period**) in a handling policy and/or **price** information, at the **time** of purchase processing, the electronic distribution only recording medium 251 may take out information of the reproduction limitation from the handling policy and/or the **price** information, prepare license conditions information including this, and hold the prepared license conditions information in the external...memory 303 in a step prior to the step S712.

In such purchase processing, if an effective **period** of the delivery key Kd)) is expired in step S700, if the total of **charges** of the **charge** information has reached the upper limit in step S701, if it is decided in step S702 that...3 is not correct, and if it is decided in step S706 that the signature of the **price** information is not correct, the processing proceeds to step S713 in each case, where error processing is...via the speaker. Thus, the record reproduction apparatus 250 can reproduce contents in this way.

Here, if **charge** information corresponding to the ID of the contents is stored in the storage module 311 in step...

...section 301 in the electronic distribution only recording medium 251 refers to the reproduction limitation at the **time** when **charge** information is uncollected in step S737, and determines whether or not the contents whose **charge** information is uncollected satisfy reproduction available conditions.

Then, if the contents do not satisfy the reproduction available...

...been reproduced for the number of times defined in the reproduction limitation, or if a reproduction available **period** has lapsed), the control section 310 of the encryption processing section 301 terminates this reproduction processing. On...

...251 or the external memory 303, or may be stored in data of a handling policy or **price** information, or the like.

Incidentally, the electronic distribution only recording medium 251 may be provided in the...distribution system 10, due to the increased generality of the electronic distribution only recording medium 251, until **charge** information for contents recorded in the electronic distribution only recording medium 251, by limiting utilization of the contents (limiting a number of times and a **period** of reproduction and copying), illegal utilization of the contents can be prevented while the **charge** information is uncollected.

According to the above-mentioned configuration, a save key Ksave)) peculiar to the electronic...the control section 91 of the encryption processing section 65 in the home server 51 saves the **charge** information (the **charge** information whose signature was verified in step S742) in the storage module 92, and at the same **time**, changes the ID of the encryption section (the ID of the encryption section of the apparatus that...

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A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS  
PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU  
Patent Applicant/Assignee:

other network service providers (i.e., owners of NFSs)  
and/or other service bureaus...

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00784185 \*\*Image available\*\*  
**A SYSTEM AND METHOD FOR STREAM-BASED COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT**  
**SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION FOURNISANT UN SYSTEME DE COMMUNICATION EN CONTINU DANS UN ENVIRONNEMENT DE CONFIGURATIONS DE SERVICES DE COMMUNICATION**

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Detailed Description

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#### English Abstract

A system, method, and article of manufacture are disclosed for providing a stream-based communication system. A shared format is defined on interface code for a sending system and a receiving system. A message to be sent from the sending system to the receiving system is translated based on the shared format. Once translated, the message is then sent from the sending system and received by the receiving system. Once the message is received by the receiving system, the message is then translated based on the shared format.

#### French Abstract

L'invention concerne un système, un procédé et un article de production fournissant un système de communication en continu. Un format partagé est défini selon un code d'interface pour un système émetteur et un système récepteur. Un message devant être envoyé par le système émetteur est traduit sur la base du format partagé. Une fois traduit, le message est

envoye du systeme emetteur et recu par le systeme recepteur. Le message recu par le systeme recepteur est ensuite traduit sur la base du format partage.

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Detailed Description

Detailed Description

... Typically, the algorithm is widely known, while the key is kept secret. There are several types of **encryption** in use today, including.

Secret key cryptography - uses one key (the secret key) both to encrypt the...of reports are supported by the reporting application framework.

Scheduled: Scheduled reports are generated based upon a **time** and/or date requirement.

These reports typically contain statistical information and are generated **periodically** (invoices and bills, for example).

On-demand: Some reports will be requested by users with specific parameters...

...requirements are not known before the request is made, so these factors must be handled at request **time** .

Event-driven: This report type includes reports whose generation is triggered based on a business or system...

...determines general information about the request, such as report type, requester, quantity to be printed, and requested **time** . Based on the report type, a table of reports is examined in 224

order to gather additional...

...requests and ensures that they are forwarded to the report writer process at the current or specified **time** . All report requests are processed in an asynchronous manner (for example, service requesters do not wait for...).

...containing information about each report that has been requested for generation, including.

Requester IUD

Report name

Date/ **time** requested

Status (requested, in process, complete, or error)

Report-specific parameters.

10 The requester ID, report name, and date/ **time** are used to uniquely identify the report. These values are passed to APIs which request report status...

...report records are removed from the table only after the output reports have been archived. Implementation and **frequency** of this table cleanup is to be determined in systems management design.

Report Process Flows  
Report processing...

...the report writer process for immediate generation or to the event manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report, prints it if specified in the...

...report generation and printing (optional).  
Input data blocks specify the following.

Report name  
Report parameters  
Report generation **time** (default is immediately)  
Printer name.

230

The report name must be one of the defined application report...

...depending on the report type. Reports may be requested for generation immediately or at a designated future **time**. All reports are written to a reserved area on disk; however, specification of a printer causes the ...

...of reports requested by users on demand. Typically, these reports will not have a set schedule or **frequency** for distribution. The report architecture must support distribution of these reports without the requirement of manual or...

...architecture must support distribution of regularly scheduled reports. Typically, these reports will have a set schedule and **frequency** for distribution. The report distribution package must support distribution of these reports without the requirement of manual...required). This criterion can be satisfied by automatic creation of banner pages or other means.

14. Delivery **Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount of time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost**.

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost**, and **time**. These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to better support performance, at the potential cost of increased coupling between components?  
Many of these considerations have been addressed over the last few years  
...

12/5,K/12 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00784140

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
Système, Procédé et Article de Fabrication s'appliquant dans un Environnement de Structure de Services de Communications via une Interface Adressable Globalement

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200116735 A2-A3 20010308 (WO 0116735)

Application: WO 2000US24198 20000831 (PCT/WO US0024198)

Priority Application: US 99387214 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150371

#### English Abstract

A system, method, and article of manufacture are provided for delivering service via a globally addressable interface. A plurality of interfaces are provided with access allowed to a plurality of different sets of services from each of the interfaces. Each interface has a unique set of services associated therewith. Each of the interfaces is named with a name indicative of the unique set of services associated therewith. The names of the interfaces are then broadcast to a plurality of systems requiring service.

#### French Abstract

L'invention porte sur un système, un procédé et un article de fabrication appliques dans la distribution de services via une interface adressable

globalement. Une pluralite d'interfaces permettent d'accéder à une pluralité de différents ensembles de services. À chaque interface est associé un ensemble unique de services. Chacune de ces interfaces est affectée d'un nom désignant l'ensemble unique de services correspondant. Les noms des interfaces sont ensuite diffusés à une pluralité de systèmes requérant un service.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010927 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20030109 Late publication of international search report  
Republication 20030109 A3 With international search report.

Main International Patent Class: G06F-009/46

Fulltext Availability:

Detailed Description

Detailed Description

... types of browsers, SafePassage will provide client authentication certificates and full-strength encryption (128 bit).

Encryption 1552

Encryption services encrypt data prior to network transfer to prevent unauthorized interception.

(Note that encryption can occur within the...may be required.

Synchronous push/pull services provide a mechanism for applications to be notified in real time if a subscribed item changes (e.g., a stock ticker). Asynchronous push/pull services do not require...

...of reports are supported by the reporting application framework.

Scheduled: Scheduled reports are generated based upon a time and/or date requirement.

These reports typically contain statistical information and are generated periodically (invoices and bills, for ...requirements are not known before the request is made, so these factors must be handled at request time .

Event-driven: This report type includes reports whose generation is triggered based on a business or system...

...determines general information about the request, such as report type, requester, quantity to be printed, and requested time . Based on the report type, a table of reports is examined in order to gather additional report...

...requests and ensures that they are forwarded to the report writer process at the current or specified time . All report requests are processed in an asynchronous manner (for example, service requesters do not wait for...

...containing information about each report that has been requested for generation, including.

Requester ID

Report name  
Date/ **time** requested  
Status (requested, in process, complete, or error)  
Report-specific parameters.

The requester ID, report name, and date/ **time** are used to uniquely identify the report. These values are passed to APIs which request report status...report records are removed from the table only after the output reports have been archived. Implementation and **frequency** of this table cleanup is to be determined in systems management design.

Report Process Flows  
Report processing...

...the report writer process for immediate generation or to the event manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report, prints it if  
if  
spec ied...

...report generation and printing (optional).  
Input data blocks specify the following.

Report name  
Report parameters  
Report generation **time** (default is immediately)  
Printer name.

The report name must be one of the defined application report types...

...depending on the report type. Reports may be requested for generation immediately or at a designated future **time**. All reports are written to a reserved area on disk; however, specification of a printer causes the ...

...of reports requested by users on demand. Typically, these reports will not have a set schedule or **frequency** for distribution. The report architecture must support distribution of these reports without the requirement of manual or...

...architecture must support distribution of regularly scheduled reports. Typically, these reports will have a set schedule and **frequency** for distribution. The report distribution package must support distribution of these reports without the requirement of manual...required). This criterion can be satisfied by automatic creation of banner pages or other means.

14. Delivery **Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount** of **time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost**.

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...with large,

mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost**, and **time**. These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...level. For  
256  
example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components?  
Many of these considerations have been addressed over the last few years  
...

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00784138

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST BATCHER IN A TRANSACTION SERVICES PATTERNS ENVIRONMENT  
Système, Procédé et Article Manufacture Pour Module de Mise en Lots des Requêtes Dans un Environnement caractérisé par des Services Transactionnels

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mills Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116733 A2-A3 20010308 (WO 0116733)  
Application: WO 2000US23885 20000831 (PCT/WO US0023885)  
Priority Application: US 99387575 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK

DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT

LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR

TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150393

English Abstract

A system, method and article of manufacture are provided for batching logical requests for reducing network traffic. A group of business objects necessary for a transaction are provided and managed in a logical unit of work. Logically-related requests received from the logical unit of work are grouped into a single network message which is then stored. The message is sent upon receiving an order to send the message.

14. **Delivery Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount of time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost**.

15. **Multiple Destinations:** The report architecture should support distribution of a single report to single or multiple...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost**, and **time**. These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components? Many of these considerations have been addressed over the last few years  
...

12/5, K/15 (Item 11 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00784136

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR BUSINESS LOGIC SERVICES PATTERNS IN A NETCENTRIC ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION POUR STRUCTURES DE SERVICES DE LOGIQUE DE COMMERCE DANS UN ENVIRONNEMENT S'ARTICULANT AUTOUR DE L'INTERNET

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
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Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116728 A2-A3 20010308 (WO 0116728)

Application: WO 2000US24197 20000831 (PCT/WO US0024197)

Priority Application: US 99387658 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI  
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims  
Fulltext Word Count: 150863

#### English Abstract

A system, method, and article of manufacture are provided for implementing business logic service patterns for allowing reuse of a business object in a component-based architecture. An attribute dictionary pattern is used for controlling access to data of a business object via an attribute dictionary. A constant class pattern is provided for ensuring correct data at an attribute level. The patterns are utilized for reusing a business object which is classified as a business component, a business service, and/or a business facility.

#### French Abstract

L'invention porte sur un systeme, un procede et un article de fabrication s'appliquant a la mise en oeuvre de structures de services de logique de commerce en vue d'etre autorise a utiliser un objet commercial dans une architecture a base de composants. Une structure de dictionnaire d'attributs est utilisee pour commander l'accès aux donnees d'un objet commercial via un dictionnaire d'attributs. Une structure de classement constant assure la correction des donnees a un niveau d'attributs. Les structures sont utilisees pour reutiliser un objet commercial classifie comme composant commercial, service commercial et/ou installation commerciale.

#### Legal Status (Type, Date, Text)

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Search Rpt 20030109 Late publication of international search report  
Republication 20030109 A3 With international search report.

Main International Patent Class: G06F-009/44

International Patent Class: G06F-009/46

Fulltext Availability:

Detailed Description

Detailed Description

... types of browsers, SafePassage will provide client authentication certificates and full-strength encryption (128 bit).

Encryption 1552

Encryption services encrypt data prior to network transfer to prevent unauthorized interception.

(Note that encryption can occur within the...

...Services layer, the Transport Services layer, or the Network Media Services layer.) Within the Communications Services layer, encryption occurs at the top of the protocol stack and is typically performed within an application (e.g...frame relay). In this case, all data is encrypted before it is placed on the wire. Such encryption tools are generally hardware products. Encryption at this level has the advantage of being transparent to higher...may be required.

Synchronous push/pull services provide a mechanism for applications to be notified in real time if a subscribed item changes (e.g., a stock ticker). Asynchronous push/pull services do not require...

...of reports are supported by the reporting application framework.

Scheduled: Scheduled reports are generated based upon a time and/or

date requirement.

These reports typically contain statistical information and are generated **periodically** (invoices and bills, for example).

On-demand: Some reports will be requested by users ... requirements are not known before the request is made, so these factors must be handled at **request time**.

Event-driven: This report type includes reports whose generation is triggered based on a business or system...

...determines general information about the request, such as report type, requester, quantity to be printed, and requested **time**. Based on the report type, a table of reports is examined in order to gather additional report...

...requests and ensures that they are forwarded to the report writer process at the current or specified **time**. All report requests are processed in an asynchronous manner (for example, service requesters do not wait for...).

...containing information about each report that has been requested for generation, including.

Requester ID

Report name

Date/ **time** requested

Status (requested, in process, complete, or error)

Report-specific parameters.

The requester ID, report name, and date/ **time** are used to uniquely identify the report. These values are passed to APIs which request report status...report records are removed from the table only after the output reports have been archived. Implementation and **frequency** of this table cleanup is to be determined in systems management design.

Report Process Flows

Report...

...the report writer process for immediate generation or to the event manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report, prints it if specified in the...

...report generation and printing (optional).

Input data blocks specify the following.

Report name

Report parameters

Report generation **time** (default is immediately)

Printer name.

The report name must be one of the defined application report types...

...depending on the report type. Reports may be requested for generation immediately or at a designated future **time**. All reports are written to a reserved area on disk; however, specification of a printer causes the ...

...of reports requested by users on demand. Typically, these reports will not have a set schedule or **frequency** for distribution. The report architecture must support distribution of these reports without the requirement of manual or...

...architecture must support distribution of regularly scheduled reports. Typically, these reports will have a set schedule and **frequency** for distribution. The report distribution package must support distribution of these reports without the requirement of manual...required). This criterion can be satisfied by automatic creation of banner pages or other means.

232

. **Delivery Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount** of **time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost**.

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...been used to regulate delays and deadlines such as those associated with government regulations, contractual obligations, accounting **periods**, customer service, and sales lead follow-up. Typical workflow goals are shorter **time** to market and quicker response times.

Are multiple people involved in the business process?  
Is there a...

...of documents in which the rules for a certain document can be defined for most of the **time**. Examples include accounts payable, insurance claims processing, and loan processing. A collaborative environment involves multiple departments viewing...system of forces, wherever the context makes it relevant.

The pattern is, in short, at the same **time** a thing, which happens in the world, and the rule which tells us how to create that...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost**, and **time**. These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...level. For  
251  
example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components?  
Many of these considerations have been addressed over the last few years  
...

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00784135

the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost**.

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost**, and **time**. These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...level. For

252

example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components?

Many of these considerations have been addressed over the last few years

...

12/5, K/17 (Item 13 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00784134

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CONSTANT CLASS COMPONENT  
IN A BUSINESS LOGIC SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UN COMPOSANT DE CLASSE DE CONSTANTE  
DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE LOGIQUE D'AFFAIRES

Patent Applicant/Assignee:

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Inventor(s):

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, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly LLP, Suite 3800,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116726 A2-A3 20010308 (WO 0116726)

Application: WO 2000US24188 20000831 (PCT/WO US0024188)

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FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ

VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150446

English Abstract

A system, method, and article of manufacture are provided for managing constants in a computer program. A plurality of constant names are

provided. Each of the constant names has a corresponding constant value. The constant names are grouped into constant classes based on an entity which the constant values represents. Access is allowed to the constant values by receiving a call including the corresponding constant name and corresponding constant class.

#### French Abstract

L'invention porte sur un systeme, un procede et un article de gestion des constantes d'un programme d'ordinateur. On etablit les noms de differentes constantes a chacun desquels correspond la valeur d'une constante, puis les noms sont regroupes par classes de constantes en fonction d'une entite representant les valeurs des constantes. L'accès a une valeur de constante est autorisé lors de la reception d'un appel comprenant le nom et la classe de la constante correspondante.

#### Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010809 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20020502 Late publication of international search report

Republication 20020502 A3 With international search report.

#### Main International Patent Class: G06F-009/44

#### Fulltext Availability:

##### Detailed Description

##### Detailed Description

... and authentication to enable secure data communications over public networks such as the Internet.

The need for **Encryption Services** is particularly strong where electronic commerce solutions that involve exchanging sensitive or financial data are to be...of reports are supported by the reporting application framework.

Scheduled: Scheduled reports are generated based upon a **time** and/or date requirement.

These reports typically contain statistical information and are generated **periodically** (invoices and bills, for example).

...requirements are not known before the request is made, so these factors must be handled at request **time** .

Event-driven: This report type includes reports whose generation is triggered based on a business or system...

...provides general information about the request, such as report type, requester, quantity to be printed, and requested **time** . Based on the report type, a table of reports is examined in order to gather additional report...

...requests and ensures that they are forwarded to the report writer process at the current or specified **time** . All report requests are processed in an asynchronous manner (for example, service requesters do not wait for...

...containing information about each report that has been requested for generation, including.

Requester ID  
Report name  
Date/ time requested  
Status (requested, in process, complete, or error)  
Report-specific parameters.

The requester ID, report name, and date/ time are used to uniquely identify the report. These values are passed to APIs which request report status...report records are removed from the table only after the output reports have been archived. Implementation and frequency of this table cleanup is to be determined in systems management design.

Report Process Flows  
Report processing...

...the report writer process for immediate generation or to the event manager for generation at a specified time (report scheduling).

The appropriate application report writer module generates the report, prints it if specified in the...

...report generation and printing (optional).

Input data blocks specify the following.

Report name  
Report parameters  
Report generation time (default is immediately)  
Printer name.

The report name must be one of the defined application report types...

...depending on the report type. Reports may be requested for generation immediately or at a designated future time . All reports are written to a reserved area on disk; however, specification of a printer causes the ...

...of reports requested by users on demand. Typically, these reports will not have a set schedule or frequency for distribution. The report architecture must support distribution of these reports without the requirement of manual or...

...architecture must support distribution of regularly scheduled reports. Typically, these reports will have a set schedule and frequency for distribution. The report distribution package must support distribution of these reports without the requirement of manual...required). This criterion can be satisfied by automatic creation of banner pages or other means.

233

. Delivery Costing : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution costing function can be useful. This function would warn users of reports that would overload the network or a printer. This costing function might provide recipients with a rough estimate of the amount of time that distribution might take. Finally, during the online day, the delivery costing mechanism might disallow transmission of reports that exceed a predetermined cost .

15. Multiple Destinations: The report architecture should support distribution of a single report to single or multiple...with large,

mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, cost , and time . These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...level. For  
252  
example, how should an architecture be customized to better support performance, at the potential cost of increased coupling between components?  
Many of these considerations have been addressed over the last few years  
...

12/5, K/18 (Item 14 from file: 349)  
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00784132

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LEGACY WRAPPER IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET DISPOSITIF POUR MODULE D'HABILLAGE EXISTANT DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill  
Roadast, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116724 A2-A3 20010308 (WO 0116724)

Application: WO 2000US24084 20000831 (PCT/WO US0024084)

Priority Application: US 99386834 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK  
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

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International Patent Class: G06F-009/46

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150947

#### English Abstract

A system, method, and article of manufacture are provided for affording access to a legacy system. A plurality of components coupled to a client via a component integration architecture are provided for servicing the client. A legacy system is interconnected to the client via the integration architecture using a legacy wrapper. The legacy system and the client are interfaced via the legacy wrapper by communicating with

14. Delivery **Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** ?o function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount of time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost** .

15. Multiple Destinations: The report architecture should support distribution of a single report 25 to single or...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components?  
Many of these considerations have been addressed over the last few years  
...

12/5,K/19 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784125

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PIECemeAL RETRIEVAL IN AN INFORMATION SERVICES PATTERNS ENVIRONMENT  
Système, Procede et Article de fabrication destiné à la recherche fragmentaire dans un environnement de modèles de services d'informations

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116705 A2-A3 20010308 (WO 0116705)

Application: WO 2000US24085 20000831 (PCT/WO US0024085)

Priority Application: US 99386433 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 150355

#### English Abstract

A system, method and article of manufacture are provided for providing a warning upon retrieval of objects that are incomplete. An object is provided with at least one missing attribute. Upon receipt of a request from an application for the object access to the attributes of the object is allowed by the application. A warning is provided upon an attempt to access the attribute of the object that is missing.

#### French Abstract

L'invention concerne un système, un procédé et un article de fabrication conçus pour émettre un avertissement lors de l'extraction d'objets qui sont incomplets. L'objet fourni présente au moins un attribut manquant. Des la réception d'une requête d'une application pour l'objet, ladite application autorise l'accès aux attributs de cet objet. Un avertissement est émis lorsque l'on tente d'accéder à l'attribut manquant de l'objet.

#### Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20011122 Late publication of international search report

Republication 20011122 A3 With international search report.

#### Main International Patent Class: G06F-009/44

#### Fulltext Availability:

Detailed Description

#### Detailed Description

... types of browsers, SafePassage will provide client authentication certificates and full-strength encryption (128 bit).

#### Encryption 1552

**Encryption services** encrypt data prior to network transfer to prevent unauthorized interception.

(Note that encryption can occur within the...may be required.

Synchronous push/pull services provide a mechanism for applications to be notified in **real time** if a subscribed item changes (e.g., a stock ticker). Asynchronous push/pull services do not require...

...of reports are supported by the reporting application framework.

**Scheduled:** Scheduled reports are generated based upon a **time** and/or date requirement.

These reports typically contain statistical information and are generated **periodically** (invoices and bills, for example).

**On-demand:** Some reports will be requested by users with specific parameters...

...requirements are not known before the request is made, so these factors must be handled at **request time**.

**Event-driven:** This report type includes reports whose generation is ... determines general information about the request, such as report type, requester, quantity to be printed, and requested **time**. Based on the report type, a table of reports is examined in

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order to gather additional...

...requests and ensures that they are forwarded to the report writer process at the current or specified **time**. All report requests are processed in an asynchronous manner (for example, service requesters do not wait for...).

...containing information about each report that has been requested for generation, including.

Requester ID

Report name

Date/ **time** requested

Status (requested, in process, complete, or error)

Report-specific parameters.

The requester ID, report name, and date/ **time** are used to uniquely identify the report. These values are passed to APIs which request report status...report records are removed from the table only after the output reports have been archived. Implementation and **frequency** of this table cleanup is to be determined in systems management design.

Report Process Flows

Report processing...

...the report writer process for immediate generation or to the event manager for generation at a specified **time** (report scheduling).

The appropriate application report writer module generates the report, prints it if specified in the...

...report generation and printing (optional).

Input data blocks specify the following.

Report name

Report parameters

Report generation **time** (default is immediately)

Printer name.

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The report name must be one of the defined application report...

...depending on the report type. Reports may be requested for generation immediately or at a designated future **time**. All reports are written to a reserved area on disk; however, specification of a printer causes the ...

...of reports requested by users on demand. Typically, these reports will not have a set schedule or **frequency** for distribution. The report architecture must support distribution of these reports without the requirement of manual or...

...architecture must support distribution of regularly scheduled reports. Typically, these reports will have a set schedule and **frequency** for distribution. The report distribution package must support distribution of these reports without the requirement of manual...required). This, criterion can be satisfied by automatic creation of banner pages or other means.

14. **Delivery Costing** : To provide sufficient information to users to avoid accidentally downloading or printing very large reports during peak usage hours, a distribution **costing** function can be useful. This function would warn users of reports that would overload the network or a printer. This **costing** function might provide recipients with a rough estimate of the **amount of time** that distribution might take. Finally, during the online day, the delivery **costing** mechanism might disallow transmission of reports that exceed a predetermined **cost** .

15. **Multiple Destinations:** The report architecture should support distribution of a single report to single or multiple...with large, mission-critical systems has shown that the most complex issues require strategic tradeoffs between quality, **cost** , and **time** . These tradeoffs usually involve interdependent considerations between strategy, technology, process, and people. See Figure 34 which illustrates...

...detailed level. For example, how should an architecture be customized to better support performance, at the potential **cost** of increased coupling between components? Many of these considerations have been addressed over the last few years  
...

12/5,K/20 (Item 16 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784124.

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A TRANSACTION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918  
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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th floor,  
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116704 A2-A3 20010308 (WO 0116704)

Application: WO 2000US24082 20000831 (PCT/WO US0024082)

Priority Application: US 99386715 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Legal Status (Type, Date, Text)  
Publication 20001207 A2 Without international search report and to be republished upon receipt of that report.  
Examination 20010301 Request for preliminary examination prior to end of 19th month from priority date  
Search Rpt 20010525 Late publication of international search report  
Republication 20010525 A3 With international search report.

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... invention; Figure 11-1 is a flowchart providing more detail of the method for mapping products or services in a network framework in accordance with one embodiment of the present invention;  
Figure U is a...or graphical representations of control or data flows.

Graphical Representation

Graphical representation tools are used to display important system information in a form, which is easier to assimilate. These tools may, for example, produce structure...

12/5,K/27 (Item 23 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00579119 \*\*Image available\*\*

SECURITY ENFORCEMENT FOR ELECTRONIC DATA

MISE EN OEUVRE DE DISPOSITIONS DE SECURITE POUR DONNEES ELECTRONIQUES

Patent Applicant/Assignee:

MICROSOFT CORPORATION,

Inventor(s):

DANIELI Damon V,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200042492 A2 20000720 (WO 0042492)

Application: WO 2000US716 20000112 (PCT/WO US0000716)

Priority Application: US 99229427 19990113

Designated States: CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT

SE

Main International Patent Class: G06F-001/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims.

Fulltext Word Count: 17535

English Abstract

Security services and policy enforcement for electronic data is provided through a series of transactions among a server and clients using electronic security certificates. A first client generates a digest from the electronic data using a one-way hashing algorithm, and submits a security certificate request containing the digest to a trusted arbitrator server, where the request is time stamped and logged. The trusted arbitrator authenticates the first client's credentials, digitally signs the digest, creates and registers the security certificate with digest information, and returns the security certificate

to the first client. The first client combines the electronic data with the security certificate to create a distribution unit. A second client acquires the distribution unit, extracts the certificate security certificate, generates a digest from the data using same hashing algorithm, and either compares the computed digest with the signed digest in the security certificate, or submits a validation request containing the security certificate serial number and digest to the trusted arbitrator server. If the digest from the second client matches the logged digest from the first client, the electronic data is valid. Depending on the certificate type and policy level, the trusted arbitrator server provides other services to the clients, such as notification of updates to the data, notification of improper user of the data, and payment for the use of the data.

#### French Abstract

L'invention concerne la mise en oeuvre de services et de politique de securite pour donnees electroniques, par une serie de transactions entre un serveur et des clients utilisant des certificats de securite electroniques. Un premier client etablit un resume de donnees electroniques au moyen d'un algorithme de calcul d'adresses, puis il soumet une demande de certificat de securite contenant ce resume a un serveur d'arbitrage fiable, ou la demande est horodatee et enregistree. Le serveur authentifie les elements d'identite du premier client, signe numeriquement le resume, cree et enregistre le certificat de securite au moyen de l'information de resume, et renvoie le certificat au premier client, lequel combine les donnees electroniques et le certificat pour etablir une unite de distribution. Un second client acquiert l'unite de distribution, extrait le certificat de securite, etablit un resume a partir des donnees en utilisant le meme algorithme de calcul d'adresses, et compare le resume etabli avec le resume signe dans le certificat ou soumet une demande de validation contenant le numero de serie du certificat et le resume au serveur d'arbitrage fiable. Si le resume du second client correspond au resume enregistre du premier client, les donnees electroniques sont valables. En fonction du type de certificat et du niveau de politique de securite, le serveur assure d'autres services aux clients comme la notification des mises a jour de donnees, la notification d'utilisation improprie des donnees et le paiement relatif a l'utilisation des donnees.

Main International Patent Class: G06F-001/00

Fulltext Availability:

Detailed Description

Detailed Description

... Number of users and/or machines policy

One or more concurrent [user/machine]

No concurrent [users/machines]

Length of time of use policy

Use only while subscribed to service

Use for set duration when running

Use for set duration since installation

Usage ends on Time and Date

Unlimited

Credentials policy

No credentials required

Adult material (user must be registered as adult)

Groups...subscribers can access

Subscribers at certain level can access

Update policy

Update when original data changed

Update **periodically**  
**Period** to update  
Update on payment  
Update on demand  
Consignment Service block  
Version of Consignment Service  
36  
Number of policies (zero or more)  
Consignment policies  
In  
**Cost Policy**  
Free  
**Amount per license**  
Data **Encryption Service** block  
Version of **Encryption Service**  
Encryption Algorithm used  
I 0 Version of Encryption Algorithm  
I  
Alcororithrnic Information  
Users which can unlock data...  
?

T S13/5, K/ALL

13/5, K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00855182

An accounting apparatus and an information distribution system using the accounting apparatus  
Abrechnungsvorrichtung und ein die Abrechnungsvorrichtung verwendendes Informationsverteilungssystem  
Appareil de comptabilisation et système de distribution d'informations utilisant cet appareil

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (Proprietor designated states: all)

INVENTOR:

Iwamura, Keiichi, Canon Kabushiki Kaisha, 30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court, High Holborn, London WC1R 5DH, (GB)

PATENT (CC, No, Kind, Date): EP 788080 A2 970806 (Basic)  
EP 788080 A3 981014  
EP 788080 B1 030528

APPLICATION (CC, No, Date): EP 97300592 970130;

PRIORITY (CC, No, Date): JP 9616081 960131; JP 9616082 960131

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07F-017/16; G07F-007/10

CITED PATENTS (EP B): EP 537756 A; EP 594493 A; WO 94/01825 A; US 4751732 A

CITED REFERENCES (EP B):

MORI R ET AL: "SUPERDISTRIBUTION: THE CONCEPT AND THE ARCHITECTURE"  
TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND  
COMMUNICATION ENGINEERS OF JAPAN, vol. E73, no. 7, July 1990, pages  
1133-1146, XP002010383;

ABSTRACT EP 788080 A2

An accounting apparatus has a money input, by which a user can input an amount of money into the apparatus. A receiver receives a body of information transmitted over a communication medium, and a register is arranged to store at least two data received with such body of information. A control unit processes the at least two data in the register received with such body of information, and the amount input by the user via the money input, and an indicator indicates to the user whether the user is permitted access to the body of information, based on a result of processing provided by the control unit.

ABSTRACT WORD COUNT: 108

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 001129 A2 Date of dispatch of the first examination report: 20001012

Application: 970806 A2 Published application (A1with Search Report ;A2without Search Report)

Grant: 030528 B1 Granted patent

Change: 030423 A2 Title of invention (German) changed: 20030305

Search Report: 981014 A3 Separate publication of the European or International search report

Examination: 990428 A2 Date of filing of request for examination:

990226

LANGUAGE (Publication, Procedural, Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199708W1	872
CLAIMS B	(English)	200322	1160
CLAIMS B	(German)	200322	1007
CLAIMS B	(French)	200322	1204
SPEC A	(English)	199708W1	11726
SPEC B	(English)	200322	11468
Total word count - document A			12600
Total word count - document B			14839
Total word count - documents A + B			27439

...SPECIFICATION PP (if such is the case), and then the user is shown a list of the available encryption services , with the charge for each. This is preferably done by the information provider sending the various possible TID's to...

...SPECIFICATION of encryption to be used, or selects from among several offered combinations of security strength and processing speed , or the like. More specifically, in this embodiment, the checking unit 14 initially determines that the user...

...PP (if such is the case), and then the user is shown a list of the available encryption services , with the charge for each. This is preferably done by the information provider sending the various possible TID's to...

**13/5,K/2 (Item 1 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00409318 \*\*Image available\*\*

PORTABLE, SECURE TRANSACTION SYSTEM FOR PROGRAMMABLE, INTELLIGENT DEVICES  
SYSTEME PORTABLE SUR DE GESTION TRANSACTIONNELLE DESTINE A DES UNITES  
PROGRAMMABLES INTELLIGENTES

Patent Applicant/Assignee:

EUROPAY INTERNATIONAL N V,  
HEYNS Guido,  
JOHANNES Peter,

Inventor(s):

HEYNS Guido,  
JOHANNES Peter,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9750063 A2 19971231

Application: WO 97EP3355 19970626 (PCT/WO EP9703355)

Priority Application: GB 9613450 19960627

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU ZW  
GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI  
FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G07F-007/10

International Patent Class: G06K-19:07

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Set	Items	Description
S1	17	(ENCRYPTION OR CRYPTOGRAPHIC) () SERVICE?
S2	19303	PRICE OR PRICING OR COST? OR CHARG? OR AMOUNT OR QUOTATION
S3	9	(COMPUTATION? OR CALCULATION? OR FIGURING OR RECKONING) (2N-) (BURDEN? OR CHARGE? OR COMMITMENT? OR DUTY OR OBLIGATION OR - RESPONSIBILITY)
S4	14	(PRIVACY OR CONFIDENTIALITY) (2N) (LEVEL OR STATUS OR STANDING OR IMPORTANT? OR SCORE? OR RANK?)
S5	27329	SPEED OR TIME OR TIMING OR PERIOD? OR INTERVAL OR CLOCK OR SPACING OR FREQUENCY OR DURATION
S6	1	S1 (S) S2
S7	0	S1 (S) S3
S8	0	S1 (S) S4
S9	1	S1 (S) S5
S10	0	S6 (S) S9
S11	2	S6 OR S9
S12	2	S11 NOT PY>2000
S13	2	S12 NOT PD>20000619

File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Nov  
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T S13/5/ALL

**13/5/1**DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00113933 DOCUMENT TYPE: Review

**PRODUCT NAMES: X.12 (832324)****TITLE: X12 EDI Security: Safe Passage Over the Internet**

AUTHOR: DeGrafft, Hart W

SOURCE: e-Business Advisor Magazine, v17 n1 p36(4) Jan 1999

ISSN: 1098-8912

HOMEPAGE: <http://www.advisor.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

X12 electronic data interchange (EDI) security is a set of standards that demonstrate the security functions needed over the EDI range of products as companies migrate to Web-enabled EDI. Web-based EDI does not support automation, but eliminates paper, is quick, and is a lower-cost method for PC-users. Web-enabled EDI complements conventional EDI, and extends EDI to a new group of EDI users. One server, for example, can perform two sets of tasks for different user groups. It can host a World Wide Web EDI application and also export conventional EDI transactions throughout the back end to a larger company that has a volume of business and business processes concomitant with completely automated, machine-to-machine processing. The X.12 suite provides two primary security services that protect ANSI X.12 electronic transactions against risks possible when using the Internet to conduct business transactions. They are an electronic digital signature and data encryption. The digital signature provides a way to determine if an alteration has occurred to information signed; a way to definitely identify the person signing the document; and a way to bind the signed information to the signer's identity. Among topics covered are: evolution of X.12-based security standards; X.12 security advantages; X.12 security services explained; X.12.58, which establishes conventions and syntax for open system EDI security solutions; data compression service cryptographic service message (X.12.815); synergistic use of X.12.58 and X.12.815; network/protocol independence; and the future of EDI.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: Communications Standards; Data Communications; EDI  
(Electronic Data Interchange); Internet Marketing; Internet Utilities

REVISION DATE: 20010330

**13/5/2**DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00110359 DOCUMENT TYPE: Review

**PRODUCT NAMES: TriStrata Enterprise Security Server (TESS) 2.0 (716898)****TITLE: TriStrata: A Giant Step In Enterprise Security**

AUTHOR: Backman, Dan

SOURCE: Network Computing, v9 n15 p28(3) Aug 15, 1998

ISSN: 1046-4468  
HOMEPAGE: <http://www.NetworkComputing.com>

RECORD TYPE: Review  
REVIEW TYPE: Review  
GRADE: A

TriStrata Security's TriStrata Enterprise Security Server (TESS) 2.0 represents a significant step forward in enterprise security technology. It provides a high-performance electronic commerce framework and broad-based authentication and encryption services. Its foundation is the relatively unknown but hypothetically unbreakable Vernal one-time pad cipher. Application-level and transport-level security services are supported with performance much better than that of current public key and symmetric key cryptosystems. TESS's framework exposes its services at the application and network transport layers, unlike Common Object Request Broker Architecture (CORBA), Distributed Component Object Model (DCOM), and DCE. TriStrata also has another unusual feature: full compliance with federal export restrictions and licensing for export outside the U.S. and Canada. All of TriStrata's products use Microsoft's technologies, including a security server that runs on a specially designed version of Windows NT 4.0 Server, and desktop application support for Windows 95, Windows 98, and Windows NT 4.0. TriStrata plans support for other platforms as well. Four primary applications make up TriStrata's security framework, in addition to the Enterprise Security Server. They are desktop file encryption, secure messaging, secure network transport services, and a software development toolkit.

COMPANY NAME: TriStrata Inc (650897)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: Computer Security; E-Mail Utilities; Encryption; IBM PC & Compatibles; Network Administration; Network Software; System Monitoring; Windows; Windows NT/2000  
REVISION DATE: 20020630  
?